 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)					Incident Number	20-05-MAMP0J1								
						Incident Date	9-4-2020								
<b>LOCATION</b>															
Fire Name	Dispatch #	Account Code	Region	Forest	District	State	County								
Creek	CA-SNF-001391	P5NJ3F	05	Sierra	High Sierra	CA	Fresno								
Origin Location: geographical landmarks, highways, roads, trails, etc.			Township	Range	Section	¼ Sec	Meridian/Datum								
South side of Big Creek approximately ¼ mile Southwest of confluence of Sheep Thief Creek and Big Creek near Camp Sierra.			8S	24E	32	NW	MDBM/WGS84								
Latitude (D - M' - S")					Longitude (D - M' - S")										
37		11		45		119		16 09							
<b>JURISDICTION</b>															
USFS Only	Identify Other Agency(s)		Lead Origin & Cause Investigator			Est. Suppression Cost	Injuries/Deaths								
No	Multiple		b6 & b7C			PENDING	Yes-Injuries								
<b>EVENT SEQUENCE</b>															
Estimated Time of Ignition				Time Fire Reported				Time Origin Protected				Time Origin Released			
Mo.	Day	Year	HHMM	Mo.	Day	Year	HHMM	Mo.	Day	Year	HHMM	Mo.	Day	Year	HHMM
09	04	2020		09	04	2020	1818	09	10	2020	1610	9	17	2020	1210
Who				Who				Who				Who			
				b6 & b7C				SA b6 & b7C				b6 & b7C			
<b>FIRE BEHAVIOR</b>															
Estimated Acres	Fuel Type @ Ignition Area Material First Ignited			Weather Observer (On Scene)		Date	Time	Temp	RH	Wind Dir	Wind Speed				
379,895	Mixed conifer, oak, brush			Fresno Crew 4		9-4-20	2000	80	20%	SE	0-5				
Slope %	Aspect: N E S W	Elevation		Weather Station		Date	Time	Temp	RH	Wind Dir	Wind Speed				
25	NE	4100 feet		SCE Point Road		9-4-20	1820	80	20%	W	3				
<b>CAUSE DETERMINATION CODE: (PS) = POSSIBLE, (PR) = PROBABLE, (EX) = EXCLUDED (EXPLAIN IN NARRATIVE)</b>															
PR	<b>Lightning</b>	(Detection Method)													
<p>Lightning is discharged static electricity associated with thunderstorm activity. Lightning is typically a series of short bursts approximately two inches in diameter, lasting for about one-half second. These lightning discharges include cloud-to-ground strikes which are in the range of 100 million volts, 200,000 amperes, and 54,000 °F. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 197, (2016). The circumstances indicating a possible lightning strike as a cause includes recent electrical storm (hours/days/weeks) activity in the area, the presence of indicators of sleepers and holdovers, scarring on trees or snags, precipitated sap, needle shower, ballistic penetration of adjoining vegetation by needles and small twigs or splinters, blow-holes at base of tree, fulgurites, and splintered wood or vegetation. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 197, (2016).</p> <p><i>STRIKENet reports from CoreLogic were retrieved to determine if lightning activity was present at or near the identified origin area of the Creek Fire. According to the STRIKENet report for Saturday August 22, 2020 (00:00 PDT) through Friday September 04, 2020 (23:59 PDT), there were three cloud-to-ground lightning strokes detected within a fifteen-mile radius of the identified origin area for the Creek Fire. All three of the strokes were over eleven miles away from the origin area of the Creek Fire and occurred on August 24, 2020. According to the STRIKENet report for Saturday August 8, 2020 (00:00 PDT) through Friday August 21, 2020 (23:59 PDT), there were four cloud-to-ground lightning strokes detected within a fifteen-mile radius of the identified origin area for the Creek Fire. The four strokes identified during this timeframe were over twelve miles away from the origin area of the Creek Fire. According to the STRIKENet report for Saturday July 25, 2020 (00:00 PDT) through Friday August 7, 2020 (23:59 PDT), there were three cloud-to-ground lightning strokes detected within a fifteen-mile radius of the identified origin area for the Creek Fire. The three strokes identified during this timeframe were all over twelve miles away from the origin area of the Creek Fire. The CoreLogic STRIKENet reports include maps identifying the locations of the recorded lightning strokes.</i></p> <p><i>Lightning was not excluded as a possible cause of the Creek Fire because investigators were provided a photograph by a witness showing significant fire activity in the upper portion of a tree during the early stages of the fire. The photograph in question was taken at 1724 hours on September 4, 2020, approximately one hour and six minutes after the Creek Fire was initially reported. Additionally, investigators located the tree identified in the above referenced photograph within the origin area of the Creek Fire. Investigators examined and photographed the tree in question and observed indications of possible lightning; however, there is no data, evidence, or witness statements to support recent lightning activity in the area prior to the Creek Fire being reported.</i></p> <p><i>Ultimately, investigators have exhausted all available leads and resources in an attempt to identify subject/s that were in the vicinity of the Creek Fire origin prior to and shortly after the fire was reported. At this time, no subject/s have been identified.</i></p>															



*Based on the above facts, along with the fact that no physical evidence was located to conclusively support any other fire cause categories as the probable cause of the Creek Fire; investigators have determined that lightning is the probable cause (see narrative for additional details).*

**EX | Equipment Use** | (Exhaust, Brake Shoe, Mechanical, Friction, Aircraft, Vehicle Fire, Other)

Wildland fires resulting from the operation of mechanical equipment excluding railroads. Types of mechanical equipment range from heavy construction to small portable engines. Equipment use caused fires may be viewed in five parts; 1. Exhaust system particles, 2. Friction and sparks, 3. Fuel, lubricant, fluids, 4. Mechanical breakdown or other malfunction 5. Radiant or conductive heat transfer. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 215, (2016).

*No evidence of equipment use was found in the origin area of the Creek fire. The origin was in a remote area with limited access by trails or roads. The only sign of recent equipment use in the area was that of the fire suppression dozer, to the south of the identified origin area. Additionally, a Vermeer woodchipper, which burned in the fire, was located on the road used to access the origin area; however, it was a significant distance away from the identified origin. For these reasons, equipment use can be excluded as a cause for the Creek Fire.*

**PS | Smoking** | (Tobacco, Other)

Wildfires caused by smoking activities or accoutrements, including matches, cigarettes, cigars, pipes, illegal substances, etc. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 207, (2016). To effectively assess the probability of a cigarette as a competent ignition source, consider the following: physical characteristics of the cigarette, environmental factors, physical placement factors. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 207, (2016). Cigarette ignition factors are: 0% RH, Start Likely, 10% RH, Start Possible, 18% RH, Start Unlikely and 22% RH, No Start. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 208, (2016). Environmental factors include; finely particulate fuel bed, loose fuel arrangement, fine dead fuel moisture (FDFM) less than 14%, 80°F + ambient temperature, microclimate location (temperature at ground level vs. temperature at higher level), Relative Humidity (RH) of 22% or less. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 208, (2016).

*The environmental factors within the identified origin area of the Creek Fire were within the parameters required for smoking to be considered as a possible cause. The weather recorded by fire suppression personnel at 2000 hours on September 4, 2020, was as follows: temperature 80 °F, relative humidity 20%, and winds 0-5 mph out of the southeast. Additionally, the weather recorded at a Southern California Edison weather station in Big Creek, CA at 1820 hours on September 4, 2020, was as follows: temperature 80 °F, relative humidity 20%, and winds 3 mph out of the west. The ground fuel bed in the area of the origin was a combination of light annual grasses mixed with leaf litter along with areas containing a heavy duff layer consisting of pine needles, leaves and twigs. The fine dead fuel moisture for the Sierra National Forest was at critical levels, well below 14%.*

*Although USFS FEO **b6 & b7C** (the first ground suppression resource on scene) reported cigarette butts as he gained access to the fire, no evidence specifically supporting smoking as a cause of the fire was located within the origin area. However, the origin area sustained damage due to suppression activities, fire behavior, and heavy fuel loading which was caused by significant tree mortality for several years prior. Additionally, no subject/s have been identified within the origin area prior to the Creek Fire being reported. However, due to the fact there was not conclusive data, physical evidence, or witness accounts of lightning activity in the area, investigators cannot rule out the possibility that the Creek Fire was caused by smoking.*

**EX | Campfire** | (Cooking, Warming, Ceremonial, Other)

Any fire kindled for warmth, cooking, light, religious or ceremonial purpose. Campfires may occur at any location. Responsible parties may include hunters, campers, anglers, hikers or transients (homeless). Regulations often address attendance, clearance, and periods of use, suppression tools, and proper extinguishment. Violations of these regulations often result in escaped fires. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 202, (2016).

*No evidence of a campfire was found in the origin area of the Creek Fire. Historical signs of camping activity were located immediately adjacent to the confluence of Big Creek and Sheep Thief Creek; however, the camping items were significantly weathered and had not been used for a significant amount of time. Additionally, this location was outside the identified general origin area as determined through statements and photographs obtained from witnesses and fire suppression personnel. For this reason, campfire can be excluded as a cause for the Creek Fire.*

**EX | Debris Burning** | (Land, Slash, Refuse, Other)

Wildland fires caused by debris burning activities including residential (pile, barrel, hazard reduction) and industrial (logging operations, land clearing, agricultural, forestry, right-of-way hazard reduction, or other controlled burning). "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 211, (2016).

*No evidence of debris burning was found in or near the origin area of the Creek fire. For this reason, debris burning can be*



<i>excluded as a cause for the Creek Fire.</i>	
<b>EX</b>	<b>Railroad</b> (Ignition Activities Associated with Railroad Companies)
<p>Fires caused by any railroad operations, personnel, rolling stock and can include track and right-of-way maintenance. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 229, (2016). Railroad structures such as trestles, bridges, and ties, are included in this category of fire cause. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 229, (2016). General railroad ignition factors include; exhaust carbon, brake shoe particles, track maintenance, right-of-way maintenance, dynamic grid failure, signal flares, wheel slip, wheel bearing failure (hotbox) and transients. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 230, (2016).</p> <p style="text-align: center;"><i>No railroads are in or near the origin area of the Creek fire. For this reason, railroad can be excluded as a cause for the Creek Fire.</i></p>	
<b>PS</b>	<b>Incendiary</b> (Ignition Component / Material First Ignited)
<p>Wildfires deliberately or maliciously set with the intent to damage or defraud. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 215, (2016). <b>Arson:</b> The intentional and wrongful burning of someone else's property or one's own property (as to fraudulently collect insurance). (Garner, 2009) "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 299, (2016). <b>Incendiary:</b> Deliberately and unlawfully set fire to property. (Garner, 2009) "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 299, (2016). These terms are often used interchangeably.</p> <p style="text-align: center;"><i>No evidence specifically supporting incendiary as the cause of the Creek Fire was located within the origin area; however, the origin area sustained damage due to suppression activities, fire behavior, and heavy fuel loading which was caused by significant tree mortality for several years prior. Additionally, no subject/s have been identified within the origin area prior to the Creek Fire being reported. However, due to the fact there was not conclusive data, physical evidence, or witness accounts of lightning activity in the area, investigators cannot rule out the possibility that the Creek Fire was caused by arson/incendiary.</i></p>	
<b>EX</b>	<b>Children</b> (Ignition Activities Associated with Children; 12- years and younger)
<p>Wildfires started by persons 12 years of age or younger. The child may be motivated by normal curiosity and use fire in experimental or play fashion. Matches or lighters are the most frequent ignition source. It often involves multiple children. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 243, (2016).</p> <p style="text-align: center;"><i>No evidence of children or activities associated with children was found in or near the origin area of the Creek fire. Additionally, suppression personnel and witnesses in the area did not observe children in the area. Lastly, the origin area of the Creek Fire is in a remote location a significant distance from surrounding residential areas. For this reason, children can be excluded as a cause for the Creek Fire.</i></p>	
<b>EX</b>	<b>Miscellaneous</b> (Blasting, Structure, Fireworks, Welding, Cutting, Grinding, Pest Control, Powerlines, Glass, Target Shooting, Spontaneous Combustion, Other)
<p>Wildfires that cannot be properly classified under other standard causes. Some of these are listed below but can include other ignition sources that are not listed. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 245, (2016).</p> <p><b>Powerlines:</b> The category of powerlines includes all electrical equipment associated with the production, transmission, and use of electricity. The electrical grid or system for the transmission, distribution, and service of customers forms a complex web and is governed by regulations. The transmission of electricity has long been recognized as having an inherent danger above and beyond typical hazards. Early electrical distribution systems caused numerous fires, better engineering and prevention efforts have reduced the number. Powerlines are an ignition source that can lead to major fires, as many of the conditions that contribute to system faults and failures coincide with extreme fire behavior. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 245, (2016).</p> <p style="text-align: center;"><i>No evidence of powerlines were found in the origin area of the Creek fire. There were signs of historical telephone line infrastructure, including ceramic insulators and metal hangers, located in the area surrounding the identified origin; however, they were not in use. For this reason, powerlines can be included excluded as a cause for the Creek Fire.</i></p> <p><b>Fireworks:</b> Fireworks may be classified in several different ways depending upon the jurisdiction. Most fireworks will fall into one of three categories, ground based and hand-held, aerial, or explosive. Fireworks are known to cause major property damage annually including fires to both wildland and structures. Used in an unsafe manner, fireworks can discharge burning material into flammable vegetation. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 263, (2016).</p> <p style="text-align: center;"><i>No evidence of fireworks was found in the origin area of the Creek fire. No witnesses observed or indicated fireworks were being used. For this reason, fireworks can be excluded as a cause for the Creek Fire.</i></p>	



**Firearms and Ammunition:** Black powder discharge, tracer, incendiary, solid copper and copper jacketed and various types of ammunition are capable of causing wildfires through the discharge of hot materials or mechanical sparks caused when a bullet strikes a hard object and fragments, creating hot particles which land in the dry fuels. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 266, (2016).

*No evidence of firearms and ammunition were found in the origin area of the Creek fire. Additionally, no witnesses indicated hearing gunfire in the area. For this reason, firearms and ammunition use can be excluded as a cause for the Creek Fire.*

**Exploding Targets:** Exploding targets detonate upon impact of the projectile, sending out hot particles. Exploding targets are typically a mixture of more than one compound which is generally not considered an explosive until combined. Exploding targets come commercially manufactured in either low or high velocity types. Homemade versions are also being used with similar effects. Once mixed, the compounds form an explosive device. Wildland fire investigators working a scene which may include an exploding target should use caution when handling, collecting, packaging and storing residue or devices. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 270, (2016).

*No evidence of exploding targets were found in the origin area of the Creek fire. For this reason, exploding targets can be excluded as a cause for the Creek Fire.*

**Cutting, Welding, and Grinding:** These types of ignitions are normally caused by an industrial or agricultural operation but may also result from an individual or residential activity. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 274, (2016).

*No evidence of cutting, welding and grinding was found in the origin area of the Creek fire. For this reason, cutting, welding, and grinding can be excluded as a cause for the Creek Fire.*

**Spontaneous Heating:** Certain fuels will self-heat and ignite spontaneously when conditions support a combination of biological and chemical processes. This action is most likely to occur after periods of warm humid days in decomposing piles of organic material such as hay, grains, feeds, manure, sawdust, wood chip piles, and piled peat moss. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 277, (2016).

*No evidence of spontaneous heating was found in the origin area of the Creek fire. For this reason, spontaneous heating can be excluded as a cause for the Creek Fire.*

**Coal Seam Fires:** Coal seams may be ignited by lightning, wildfires, or other ignition sources. Fires typically burn slowly along the seam and may resurface when seam nears the surface which cracks, and oxygen is introduced to the burning seam. These fires are dangerous to investigate as the burning coal seam may lie just under the surface. Coal seam fires may be visible in the winter with steam plumes and random bare patches in the snow from underground heating. Patches of dead vegetation may also be a tip that underground heating from a coal seam fire is taking place. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 282, (2016).

*No Coal Seams were in the origin area of the Creek Fire. For this reason, coal seam fires can be excluded as a cause for the Creek Fire.*

**Electric Fences:** Fires originating from electric fences used to contain domestic animals. Rapid electric pulse cycle does not allow fuel to cool down. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 283, (2016).

*No evidence of electric fences was found in the origin area of the Creek Fire. For this reason, electric fences can be excluded as a cause for the Creek Fire.*

**Refraction (Reflection):** The sun's rays can be focused to a point of intense heat if concentrated by certain glass or shiny objects. This refraction or reflection process bends light rays, similar to that which occurs through a magnifying glass. The shiny, concave end of a metal can may focus sunlight, but its short focal distance makes the potential as a possible cause highly unlikely. Fires started by these items are extremely rare occurrences; however, objects possessing these characteristics recovered from the specific origin Area may need to be carefully examined to determine their fire-starting potential. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 285-286, (2016).

*No evidence of refraction (reflection) was found in the origin area of the Creek fire. For this reason, refraction (reflection) can be excluded as a cause for the Creek Fire.*

**Blasting:** Fires started by flaming debris associated with blasting activities. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 286, (2016).

*No evidence of blasting was found in the origin area of the Creek fire. For this reason, blasting can be excluded as a cause for*



*the Creek Fire.*

**Flares:** Fires resulting from commercial, industrial, or military flares. Compound is usually a mixture of sawdust, wax, sulphur, strontium nitrate, and potassium perchlorate. Flares burn at approximately 3600°F. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 287, (2016).

*No evidence of flares was found in the origin area of the Creek fire. For this reason, flares can be excluded as a cause for the Creek Fire.*

**Oil and Gas Fires:** Fires associated with the recovery and pumping of oil and gas products in the wildland. Flare pit and stack fires are among some types of oil and gas fires which may be encountered in the wildland environment. Flare pit and stack operations are designed to burn off excess or unwanted petroleum by-products. Occasionally these will start fires from direct flame impingement, the igniter flare or stack particles. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 290, (2016).

*No evidence of oil and gas operations was found in the origin area of the Creek fire. For this reason, oil and gas fires can be excluded as a cause for the Creek Fire.*

**Flying Lanterns:** Flying lanterns are miniature hot air balloons made from paper or plastic, bamboo or lightweight wood, and wire with a solid fuel package. Homemade lanterns may use plastic garbage sacks. Originating in Asia and called happiness balloons or wish balloons their use has spread around the world and they are commonly used during weddings or other celebrations. Experimentation by young adults or teenagers is commonly associated to fires caused by flying lanterns, particularly if homemade. Manufacturers claim that the paper is treated with a fire retardant, but many are not. Flying lanterns can travel miles away from release site and are capable of reaching several thousand feet in altitude. Multiple lanterns may be released at a single time. Releases typically occur during nighttime hours for full visual effect but can also be deployed during daytime activities. Note: Oregon has classified flying lanterns as fireworks and banned them from use within the state. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 293, (2016).

*No evidence of flying lanterns was found in the origin area of the Creek fire. For this reason, flying lanterns can be excluded as a cause for the Creek Fire.*

**Wind Turbines:** Wind turbines use wind flow to generate electrical energy and are increasingly being placed into the wildland environment. Where more than one wind turbine is located in the same area, the term wind farm may be used. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 295, (2016).

*No wind turbines are located in or near the origin area of the Creek fire. For this reason, wind turbines can be excluded as a cause for the Creek Fire.*

**Home Outdoor Wood Burning Furnaces:** Referred to as outdoor wood furnaces or outdoor wood boilers, these devices can be modern manufactured models or homemade. They can be used to heat a structure by way of connecting to a central heating unit and/or are used to provide hot water. Either way, the furnace operates by burning firewood and may be burning wood even in the warmer parts of the year if it is being used to heat water also. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 296, (2016).


*No evidence of home outdoor wood burning furnaces were found in the origin area of the Creek fire. For this reason, home outdoor wood burning furnaces can be excluded as a cause for the Creek Fire.*

**Structures:** Fire spreading to the wildland due to failures or activities associated with a structure. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 296, (2016).


*There were no structures near the origin area of the Creek fire. For this reason, structures can be excluded as a cause for the Creek Fire.*

Cause Determined: State brief reason & explain in the narrative				Cause Undetermined: State brief reason & explain in the narrative					
Probable Cause: Lightning									
Possible Causes: Smoking & incendiary/arson									
EXHIBITS - IF INCLUDED	LE Incident Report	<input type="checkbox"/>	Supplemental Reports	<input checked="" type="checkbox"/>	Interviews	<input checked="" type="checkbox"/>	Statements	<input type="checkbox"/>	
	Fire Stat Report	<input type="checkbox"/>	Sketches / Diagrams	<input checked="" type="checkbox"/>	Maps	<input checked="" type="checkbox"/>	Photographs	<input checked="" type="checkbox"/>	Other



 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)			Incident Number	20-05-MAMP0J1
				Incident Date	9-4-2020
<b>(CODE: S – SUBJECT, W – WITNESS, V – VICTIM, RP – REPORTING PARTY, O – OTHER)</b>					
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
RP	b6 & b7C				F
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
b6 & b7C		b6 & b7C			
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
RP	b6 & b7C				F
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
b6 & b7C		b6 & b7C			
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
RP	b6 & b7C				M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
Sierra National Forest, 1600 Tollhouse Road, Clovis CA 93611		b6 & b7C			
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
RP	b6 & b7C		b6 & b7C		M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
b6 & b7C		b6 & b7C			
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
So Cal Edison					b6 & b7C
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C				M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
Los Padres National Forest, 1211 Citation Court Santa Maria CA 93455		b6 & b7C			
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C				M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
b6 & b7C (Helicopter 9125M)		b6 & b7C			



 USDA Forest Service		Wildland Fire Origin and Cause Supplemental Incident Report			Incident Number
		(Reference FSH 5309.11, Chapter 20)			Incident Date
					20-05-MAMP0J1
					9-4-2020
<b>(CODE: S – SUBJECT, W – WITNESS, V – VICTIM, RP – REPORTING PARTY, O – OTHER)</b>					
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C				M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
Sierra National Forest 29688 Auberry Road, Prather CA		b6 & b7C			
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C				M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
b6 & b7C		b6 & b7C			
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
b6 & b7C Big Creek School					
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C				M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
b6 & b7C		b6 & b7C			
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C		b6 & b7C	W	M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
b6 & b7C		b6 & b7C			
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
Cal Fire Firefighter					
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C		b6 & b7C		M
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
b6 & b7C		b6 & b7C			
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
					b6 & b7C
<b>Name (Last, First, Middle)</b>		Alias	DOB	Race	Gender
W	b6 & b7C				F
Address (Home)		Phone (Home)	Hair Color	Eye Color	SSN
Address (Business) (Tax Identification Number if Required)		Phone (Work)	Height	Weight	License / ID
Fresno Sheriff's Office		b6 & b7C			

 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)	Incident Number	20-05-MAMP0J1
		Incident Date	9-4-2020

**SYNOPSIS** (DATE, FIRE NAME, ESTIMATED ACRES, LOCATION, JURISDICTION); (ESTIMATED COST, DAMAGE; PROPERTY / RESOURCE); (CAUSE; DETERMINED / UNDETERMINED)

On September 04, 2020 the Creek Fire was reported in the Big Creek drainage below the town of Big Creek on the High Sierra Ranger District within the Sierra National Forest inside the County of Fresno, Eastern District of California. The Creek Fire was declared contained on December 24, 2020. The Creek Fire burned approximately 379,895 acres, destroyed 853 structures, and damaged an additional 64 structures.

The origin and cause investigation of the Creek Fire resulted in the exclusion of the following cause categories: equipment use, campfire, debris burning, railroad, children, and the cause categories falling under miscellaneous (powerlines, fireworks, cutting, welding, grinding, firearms use, blasting, structures, glass reflection/refraction, spontaneous combustion, and flare stacks/fire pits).

The cause categories arson/incendiary and smoking have been identified as possible causes. The cause category lightning has been identified as the probable cause.

**DETAILS OF INVESTIGATION:** (INITIAL REPORT, INITIAL ATTACK, INITIAL INVESTIGATION, FIRE BEHAVIOR ANALYSIS, STATEMENTS, ORIGIN EXAMINATION, CAUSE DETERMINATION)

**INITIAL REPORTS:**

**b6 & b7C** a local resident, was riding a motorcycle with her husband, **b6 & b7C** on Huntington Lake Road near the "Beaver Slide" overlooking the Big Creek area, when they both noticed a smoke column coming from the canyon below Big Creek. **b6 & b7C** tried to call 911 from her mobile phone, but the line was busy. **b6 & b7C** then called her friend, **b6 & b7C** at the **b6 & b7C** residence and told **b6 & b7C** call 911 from a landline phone (see 2020-09-15\_MOI **b6 & b7C**).

**b6 & b7C**, an employee of So Cal Edison and a firefighter with the Big Creek Volunteer Fire Department, was driving back into Big Creek when he received a text message from **b6 & b7C** indicating there may be a fire near Camp Sierra. **b6 & b7C** drove out to the landing zone (LZ) on the point at Big Creek and saw the fire, being small in area, with white smoke and a plume of approximately 200-300 feet high, and approximately 1 to 1 1/2 miles away. **b6 & b7C** then ran to the Big Creek Forest Service Station and notified Patrol **b6 & b7C** USFS Fire Prevention Technician (FPT) (see 2020-09-07\_MOI **b6 & b7C** went out to the LZ and confirmed there was a vegetation fire and notified Sierra National Forest Dispatch at approximately 1833 hours. **b6 & b7C** described the fire as a small wisp of smoke turning into a column, with ground fire developing in heavy jackpotted fuels, on the South side of the Big



Creek drainage at the bottom. [b6 & b7C] indicated the fire was in an area of thick brush and a large quantity of fallen dead trees from bug kill. [b6 & b7C] also indicated the area was not very accessible to the public (2020-09-07\_MOI [b6 & b7C]).

[b6 & b7C] at Big Creek School, was notified of the fire by an employee of the Big Creek School District. [b6 & b7C] went to the LZ on the Point Road that overlooks the Big Creek drainage. He observed the fire and described it as being a smoke chimney, with a single snag on fire. [b6 & b7C] saw aerial firefighting aircraft make drops on the fire and then, later that night, saw an ember fly from the fire and spread the fire (see 2020-09-07\_MOI [b6 & b7C]).

[b6 & b7C] an off-duty Cal Fire Firefighter, and [b6 & b7C] were at [b6 & b7C] cabin in Big Creek. [b6 & b7C] received a text about a "smoke check" down near Camp Sierra. [b6 & b7C] drove down the Point Road to the LZ and observed the fire. He indicated the fire was in its incipient state and was at the horn of Big Creek. [b6 & b7C] estimated the fire to be a spot of approximately 100 feet by 100 feet or 50 feet by 50 feet at the time he first observed it. [b6 & b7C] described the fire activity as being really slow with low to no rate of spread at the time. [b6 & b7C] also indicated there were no winds, the column was going straight up, and it was a stable atmosphere (see 2020-09-08\_MOI [b6 & b7C] and [b6 & b7C]).

#### INITIAL ATTACK:

At approximately 1900 hours on September 04, 2020, USFS Air Attack (AA-15) arrived on scene of the fire. [b6 & b7C] [b6 & b7C] saw the fire burning near a creek bottom on a North facing slope on the hillside adjacent to the creek and gave a size of approximately one acre or less. [b6 & b7C] indicated he did not see any people in the area of the fire. [b6 & b7C] directed air resources. One tanker plane (160, RJ85) made two drops (a spilt load) across the head of the fire, and heavy Helicopter 2-5 Mike made two water drops on the fire. After that, all air resources were released (See 2020-09-06\_MOI AA15 [b6 & b7C]).

[b6 & b7C] Helicopter 2-5 [b6 & b7C] described the fire as ½ to 1 acre in size, located on the South side of Big Creek drainage, west and slightly South of the confluence of Big Creek and Sheep Thief Creek. The fire was on a nearly east facing aspect where it was not very steep, although the area above the fire was steeper. [b6 & b7C] estimated that the fire area was about 100 yards above the creek bottom where he made his two water drops. He described the smoke drifting down canyon for about one to two miles with active (ground) fire but not torching. The fire on the dead snag (approximately 150 feet tall) was in the top of the tree and appeared to have started from the bottom and climbed up the snag. This dead snag was located near the Southwest portion of the fire or left "shoulder" (flank)

area of the fire. The light flashy ground fuels in the fire area had already burned and only the larger diameter logs and fuels on the ground were burning. [b6 & b7C] said the fire perimeter was in a circular shape with mostly a defined fire perimeter, although some unburned fuels were still within the fire perimeter. There were no live green trees burning. He made two drops slightly downwind (to the West) and up slope from the fire area. Based upon his many years of fire experience, [b6 & b7C] believed the fire may have been burning for more than 25 minutes from time of dispatch to H2-5 Mike getting on scene. Based on his [b6 & b7C] observation of the smoke being over one-mile down canyon from the fire and on scene winds of 3 knots, [b6 & b7C] estimated the fire may have been burning for up to 1 ½ hours before he arrived on scene (See 2020-09-07\_MOI [b6 & b7C] H25M [b6 & b7C]

U.S. Forest Service, Sierra National Forest, Engine 42 (Engine 42) responded from Prather, CA and arrived at approximately 1900 hours with [b6 & b7C] Fire Engine Operator (FEO [b6 & b7C]). Once Engine 42 was within the reported vicinity of the fire, they were flagged down at Camp Sierra road and Dumpster spur road by two individuals hanging flagging (later identified as [b6 & b7C] and [b6 & b7C] who notified Engine 42 how to gain access to the fire. [b6 & b7C] hiked approximately ½ to ¾ of a mile down the road. [b6 & b7C] noticed a woodchipper on the side of the road and observed cut trees and brush, which stopped approximately 200 yards past the woodchipper. [b6 & b7C] then turned off the road and began making his way through the brush. [b6 & b7C] noticed flagging leading into the brush as he scouted his way into the fire. As [b6 & b7C] continued hiking downhill he continued to notice flagging along with foot tracks that appeared to have been recent. [b6 & b7C] indicated hatchet marks on the branches were also visible, along with cigarette butts. [b6 & b7C] continued downhill towards the bottom of the canyon and made it to the fire's edge. [b6 & b7C] estimated the fire to be 2 to 3 acres burning downhill towards Big Creek, with winds blowing 5-10 miles per hour and gusting to 20 miles per hour. The slope was approximately 45%, and the fuel bed was dead and down branches, pine needle cast, and white thorn brush. [b6 & b7C] hiked back out of the canyon. Once back at the road, [b6 & b7C] met Fresno Crew 4 and assisted them in gaining access into the fire. (See 2020-09-07\_MOI [b6 & b7C]

U.S. Forest Service, Sierra National Forest, Fresno Crew 4 responded from Prather at approximately 1900 hours with Forestry Prevention Technician, [b6 & b7C] as the [b6 & b7C]. [b6 & b7C] took the crew from the Dumpster spur road down a "two-track" road. FPT [b6 & b7C] advised [b6 & b7C] that he could see their headlamps and it appeared that they were going to run into the top of the fire. [b6 & b7C] then took the crew and hiked down the hill toward the creek to get to the heel of the fire on the left flank. When they arrived at the heel, they noted a small stream, large enough to put a small pump into, but not big enough to swim in. [b6 & b7C] then met with Fresno Crew 3 [b6 & b7C] at the heel of the fire



with their saw teams and determined that further action on the fire with their current resources was not feasible. [REDACTED] described the winds as mild at the beginning, switching from downslope to upslope, and picking up significantly after they hiked out (See 2020-09-07\_MOI Crew 4 [REDACTED]).

USFS Fresno Crew 3 responded from Oakhurst, CA at approximately 1835 hours with [REDACTED] USFS [REDACTED] [REDACTED] (Sierra NF, Bass Lake Ranger District) and [REDACTED] USFS FEO [REDACTED] FEO [REDACTED] recorded the field weather Fresno Crew 3 took near the fire. At approximately 2000 hours the weather was: 80°F, 20% RH (relative humidity), 0-5 mph downslope winds out of SE (Southeast) with gusts to 10 mph. At approximately 2200 hours the weather was: 76°F, 27% RH, 2-3 mph winds gusting to 9 mph from the Southeast. Fresno Crew 3 "leap frogged" ahead of where Fresno Crew 4 was cutting "Pioneer" line down to the fire and began cutting with the saw teams.

[REDACTED] moved ahead of both crews to scout the fire and made it down to the bottom of the right flank of the fire. [REDACTED] then crossed over to the left flank at the bottom of the drainage. He described the left flank as being at a large pool of water in the creek and the right flank being very steep and rocky. [REDACTED] took several photos of this location, which he provided to investigators. He noted that the winds were generally downslope and they were sheltered at the base of the fire. [REDACTED] described the pool of water as an area the public would likely utilize but also noticed that he did not observe signs of human use and the terrain was rocky and steep, which [REDACTED] described as "hotshot country". He did not believe anyone made access to the origin. Looking at the fire from the pool of water, [REDACTED] believed the origin to be up top "right before the rock cliff". [REDACTED] based this assumption on the fire behavior he observed. FEO [REDACTED] noted that he and several members of Fresno 3 and 4 saw teams made it to the right flank. After looking at their options and noting that the fire activity was picking up Fresno 4 made the decision to hike out and Fresno 3 made the same decision shortly thereafter, as [REDACTED] noted that direct line construction on the fire's edge was not feasible given the resources they had. At one point Fresno Crew 3 tooled up (prepared to construct handline), but they did not construct any fire line around the fire.

Both [REDACTED] and FEO [REDACTED] provided investigators with the photographs they took down at the fire. Additionally, they provided their GPS track data (see 2020-09-07\_MOI Crew 3 [REDACTED]).

#### INITIAL INVESTIGATION:

September 5, 2020

On September 5, 2020, a Forest Service Wildland Fire Investigation Team (WFIT) consisting of Fire Patrol (FPT) [REDACTED] [REDACTED] Special Agent (SA) [REDACTED], SA [REDACTED] Law Enforcement Officer (LEO) [REDACTED] and SA [REDACTED] were assigned to the Creek Fire Origin and Cause investigation. Additionally, two Cal Fire Investigators, [REDACTED] and [REDACTED] were assigned to assist with the investigation.

#### September 6, 2020

On September 6, 2020 at approximately 1030 hours, Investigators [REDACTED] and [REDACTED] were led into the fire area by Forest Service Patrol Captain (PC) [REDACTED]. PC [REDACTED] took the personnel to the "Dumpster Road" near the intersection of Camp Sierra Road and Huntington Lake Road. Based on conversations with fire suppression personnel, PC [REDACTED] indicated the location in question would provide the best access to the suspected origin area of the Creek Fire. Due to the amount of smoke, vegetation burning in the area, and active fire activity in the vicinity, personnel determined it was not safe to access the origin yet. [REDACTED] also determined it would not be safe to place personnel in the area for origin security, due to the extreme fire behavior and standing burning snags in the area. Access into the fire area was limited to fire and law enforcement personnel only. Additionally, the area had been evacuated and road closures were being maintained by law enforcement personnel.

At approximately 1400 hours, all members of the origin and cause investigation team were in-briefed at the Sierra National Forest Supervisor's Office in Clovis, CA. Initial reporting parties and initial attack fire suppression personnel and resources were identified. Additionally, basic information related to the suspected origin location was gathered. Investigators began contacting the identified individuals in order to conduct interviews. The following subjects were interviewed on September 6:

- [REDACTED] AA-15
- Helicopter 534 crewmembers
- [REDACTED] Helicopter 25M

#### September 7, 2020

On September 7, 2020, investigation team members continued to identify, contact and interview reporting parties, witnesses, and fire suppression resources associated with the Creek Fire. The following subjects were interviewed on September 7:

- [REDACTED] on AA-15
- [REDACTED] USFS Fire Patrol
- [REDACTED] Big Creek Volunteer [REDACTED]



- b6 & b7C SNF Engine 42
- b6 & b7C Fresno Crew 3
- b6 & b7C Fresno Crew 3
- b6 & b7C Fresno Crew 4
- b6 & b7C Fresno Crew 4
- b6 & b7C USFS Engine 42
- b6 & b7C Helicopter 25M
- b6 & b7C Big Creek School
- b6 & b7C Big Creek resident and volunteer firefighter

Also on September 7, Investigator b6 & b7C scouted the access to the suspected origin area to determine if the area was safe to enter. b6 & b7C was forced to turn around along Highway 168 due to heavy fire activity impacting the roadway. b6 & b7C made a second attempt to access the area and was successful. Investigator b6 & b7C observed heavy downed fuels and stumps still burning, along with many snags near and along the dirt road used to access the suspected origin. Based on b6 & b7C observations, it was determined the area was still unsafe to work in.

Additionally, investigation team members decided it was still unsafe to have someone in the area to maintain security of the origin. Investigator b6 & b7C advised team members that chainsaws, off-highway vehicles and possibly a dozer would be needed to gain access to the origin area.

#### September 8, 2020:

On September 8, 2020, investigation team members continued to identify, contact and interview reporting parties, witnesses, and fire suppression resources associated with the Creek Fire. The following subjects were interviewed on September 8:

- b6 & b7C USFS High Sierra Ranger District b6 & b7C
- b6 & b7C USFS Region 5 b6 & b7C and Big Creek resident
- b6 & b7C USFS Battalion b6 & b7C
- b6 & b7C Cal Fire Firefighter and Big Creek resident
- b6 & b7C witness to the Creek Fire with b6 & b7C

Investigation team members utilized information obtained from interviews, along with photographs and videos received from reporting parties, witnesses and fire suppression personnel in order to identify an area approximately two to three acres in size where the Creek Fire was suspected of originating.

**SCENE SECURITY:**

On September 10, 2020, origin and cause investigators observed that repair and rehabilitation crews were being granted access to enter the previously burned portions of the Creek Fire. Inv. [b6 & b7C] and Inv. [b6 & b7C] flagged off the access road leading to the origin area to prevent unauthorized access. Additionally, Inv. [b6 & b7C, b7E]

**b7E**

**STATEMENTS:**

See Memorandum of Interviews and Supplemental Incident Reports.

**FIRE BEHAVIOR ANALYSIS (fuels, weather, and topography):**

The Creek Fire originated on an estimated 25% slope on a northeast aspect in mixed conifer timber and oaks, with mature brush combined with a component of heavy downed logs, branches and needle cast. Live fuel moistures in the brush component were at approximately 60%, and 1000-hour fuel moistures for larger diameter downed timber was approximately 6%, both at critically dry levels. Tree mortality in the local area of the Creek Fire in Ponderosa Pine timber was estimated at 80-90% from bug kill (bark beetle) increasing ground fuel loading and standing dead tree snags. Weather recorded at the Southern California Edison Point RAWS (Remote Automated Weather Station) located at Big Creek LZ at approximately 1820 hours was 80°F, 20% RH, and 3 mph wind out of the west, similar to what Fresno Crew 3 recorded near the fire.

The Big Creek drainage is a large "V" shaped canyon that runs east to west into the San Joaquin River canyon approximately 4 miles downstream of the fire location. There is no recent large fire history recorded where the Creek Fire originated. Winds recorded at the SCE Point RAWS indicated a diurnal down canyon wind frequent to the area that increased in velocity at approximately 2200 hours as witnessed by crews on the ground at the fire. Observed fire behavior from Big Creek LZ by FPT [b6 & b7C] who served as a lookout on the fire, was a backing fire against the wind towards Camp Sierra with intermittent runs up the ridge towards Big Creek road. According to FPT [b6 & b7C] the right flank of the fire (down drainage) appeared slightly less active than the left flank (up drainage) and the fire was spreading evenly in all directions influenced by the downslope and down valley winds which are common during the evening and nighttime. FPT [b6 & b7C] indicated the first major advancing run happened approximately four hours after the fire started (2020 hours) and went up to the Canyon Road (southwest of the origin).



USFS [b6 & b7C] who also served as a lookout during the initial stages of the Creek Fire, described the Creek Fire at approximately 1825 hours from the Big Creek LZ as a single column of dark smoke burning in heavier fuels and not moving much in the first 30-40 minutes. [b6 & b7C] indicated the fire activity was predominately advancing south and west on a ridge at the toe of the slope, and the fire was burning in heavy fuels with 10-15 foot flame lengths. The flames were straight up but the fire was not making an advancing run. Based on the observations of FPT [b6 & b7C] and [b6 & b7C] the initial stages of the Creek Fire had a slow rate of spread influenced primarily by fuels and terrain with a slight wind pushing it down slope with low (backing fire) to moderate (flanking) fire intensity.

## ORIGIN EXAMINATION:

### September 8, 2020

On September 8<sup>th</sup> at approximately 1500 hours, Investigators [b6 & b7C] and [b6 & b7C] met at the “dumpster site” off Camp Sierra Road and hiked down the same two-track road initial attack suppression personnel utilized to access the fire. Personnel observed large scale (macro) indicators such as angle of char on tree trunks, foliage freeze on tree limbs, and white ash deposits on trees and brush stems that indicated a major advancing run with high burn intensity coming from the bottom of Big Creek to the two track road that hand crews used to access the fire in its early stage. Investigator [b6 & b7C] noticed a leaning large snag on a rocky ridge line, and small oak trees with advancing indicators such as foliage freeze indicating the fire had come from below the rocky ridge to the southeast from a side drainage that feeds into Big Creek. SA [b6 & b7C] and Investigator [b6 & b7C] located aerial applied fire retardant along the two-track road. Additionally, the “pioneer” line that was cut by Fresno Crew 4 was observed going down into the side drainage on the initial left flank of the fire going down a steep slope of 80%. Personnel left the scene at approximately 1830 hours.

### September 9, 2020

On September 9<sup>th</sup> at approximately 0900 hours, origin and cause investigators arrived at the two track road previously identified as the access to the origin area. Personnel used off highway vehicles to gain access to the area above the origin. Investigators [b6 & b7C] and [b6 & b7C] began observing burn indicators downhill from the two-track road towards Big Creek in the advancing run observed the day before. [b6 & b7C] switch backed down the slope and observed advancing burn indicators such as white ash deposits and protection on small pine trees, tree stumps, as well as spalling on rocks. As [b6 & b7C] approached the rocky ridge lower down the slope it became a “knife back” ridge with a cliff face at the base of the slope at Big Creek. [b6 & b7C] observed a transition zone on the cliff face where the fire increased from low to moderate intensity. Burn indicators such as curling on leaves, protection on rocks were observed as the cliff face

approached a flat area below that appeared to be a historical camping spot; however, no evidence of recent use was observed.

Investigators [b6 & b7C] and [b6 & b7C] walked the GPS tracks, provided by Fresno 3 [b6 & b7C] and [b6 & b7C] located the GPS tracks and walked to the east down into the small drainage. They then followed the small drainage towards Big Creek. [b6 & b7C] and [b6 & b7C] did not observe any signs of recent human activity in the area.

Investigator [b6 & b7C] hiked from the area of Camp Sierra to the suspected origin area. When [b6 & b7C] began hiking, he observed a sign identifying the "Pothole Trail" on the north side of Camp Sierra. During previous interviews, subjects indicated there were popular swimming holes along Big Creek near Camp Sierra. [b6 & b7C] hiked down the hill north of Camp Sierra and located a well-used trail adjacent to Big Creek. [b6 & b7C] continued to follow the trail generally west. The trail diminished significantly, and the terrain became steep. Additionally, access to Big Creek was limited to non-existent due to cliffs and rock faces. Additionally, [b6 & b7C] did not observe any recent trash, debris or signs of recent human activity in the area. There was historical debris such as old cans and infrastructure (telephone wire, ceramic insulators and metal hangers) in the area. In order to reach the suspected origin area, [b6 & b7C] had to hike through areas which, prior to being burned, contained thick brush and vegetation.

When [b6 & b7C] reached Big Creek near the suspected origin area, he met up with [b6 & b7C]. They continued downstream to the north and observed retardant on the rocks in and to the west of Big Creek. Based on prior interviews, investigators believed this was one of two retardant drops by the tanker on the day the Creek Fire started. [b6 & b7C] and [b6 & b7C] continued down drainage along Big Creek to an area northeast of the suspected origin area and met with [b6 & b7C]. Within this location investigators observed signs of low intensity fire spread in a heavy layer of "duff" ground fuels.

At approximately 1500 hours, investigators continued up from the flat to cross Big Creek upstream and arrived at the large pool where [b6 & b7C] scouted the fire on the evening of September 4, 2020. The fire made its major advancing run to the Southwest later in the evening from the flat to the cliff face and upslope towards the two track road and beyond to Canyon Road when it came into alignment with wind and slope, after [b6 & b7C] had scouted the creek bottom. Therefore, based upon the observations of [b6 & b7C] the fire had not yet reached the flat when he was on scene the evening of the initial attack, the initial advancing run for the Creek fire was on the rocky ridge higher up on the slope and not from the bottom of Big Creek. Investigators [b6 & b7C] compared photographs of the initial right flank of the fire, taken by [b6 & b7C] during initial attack, to the rocks and trees in their present state.



Based on the photographs, investigators were able to determine the location of the right flank of the fire at the time the photographs were taken. The photographs in question were taken at approximately 2217 hours on September 4, 2020.

Investigators continued below the right flank of the fire up a side drainage where it fed into Big Creek. Evidence of roll out from burning logs coming down a steep slope (80%) was observed. Further up the side drainage evidence of the "pioneer" line cut by Fresno Crew 4 and 3 when they reached the bottom was observed, in the form of saw cuts and soil disturbance. This area was the heel of the fire when they arrived on scene, and the "pioneer" line from the two-track road down to the side drainage was the left flank of the fire. Investigators hiked up the "pioneer" line back to the two-track road. **b6 & b7C** observed burn indicators such as curling and protection on small trees. **b6 & b7C** noted a transition zone from low to moderate intensity on the rocky ridge below the two-track road towards a large snag still burning. Fire spread indicators observed included protection, curling and foliage freeze on manzanita brush and small trees. Personnel left the scene at approximately 1600 hours.

#### **September 10, 2020**

On September 10<sup>th</sup> at approximately 0800 hours, Investigators **b6 & b7C** and **b6 & b7C** met at the two-track road to access the origin area. Personnel gained access to the area above the origin utilizing off highway vehicles. The area in question was identified as the general origin area the day prior. The area encompassed approximately 2-3 acres, from the dirt two-track road with fire retardant, down the ridge to Big Creek, to the eastern GPS tracks provided by **b6 & b7C** and just west of the ridgeline back down to Big Creek, as identified by photographs from **b6 & b7C** of the right flank of the fire.

**b6 & b7C** identified lateral spread from the ridgeline to the east, just north of the two-track road. They moved laterally to the west, paralleling the two-track road. Cresting the ridge to the west, **b6 & b7C** located a mix of lateral, advancing and backing indicators.

**b6 & b7C** observed and flagged burn indicators from the major advancing run below the two-track road, from the creek bottom to the transition zone noted by **b6 & b7C** the day before. Indicators such as foliage freeze on small trees and protection on large rocks indicated flanking fire from the rocky ridge in the direction of the side drainage (east). Also, evidence of re-burn from rollout was observed on the rocky ridge down the steep slope to the side drainage, foliage freeze on a small oak tree indicating an advancing run from the side drainage that occurred after the fire had spread laterally (left flank) in the direction of large leaning snag. White ash deposits on small trees were observed to the west of the transition zone, indicating an advancing run in the direction from the large snag (right flank). Curling on small oak

trees was observed below the advancing run indicating moderate burn intensity flanking fire in the direction from the large snag (right flank). Protection on rocks below (north of) the large snag was observed indicating low intensity backing fire (heel), and further below unburned grass fuels were observed. Personnel were unable to conduct a further analysis of the fire spread indicators within the area in question, due to multiple burning snags and hazard trees in the immediate vicinity. Investigator [b6 & b7C] photographed one of the large snags, referenced above. Additionally, investigators [b6 & b7C] observed large quantities of tree branches scattered on the ground approximately 10-15 feet northeast of the snag, which [b6 & b7C] also photographed. The large snag, which was still burning, posed a significant safety hazard to investigators so the area could not be examined more closely.

During the afternoon of September 10, FEO [b6 & b7C] met with investigators and was escorted to the previously identified general origin area. [b6 & b7C] showed [b6 & b7C] where he gained access to the fire during initial attack on September 4, 2020. Additionally, [b6 & b7C] identified the general area where he saw the fire and the location the crews had accessed the fire during initial attack. [b6 & b7C] walked to and showed Investigator [b6 & b7C] the approximate location that he crossed the two-track road west of the fire when he approached it. [b6 & b7C] also showed Investigator [b6 & b7C] that the western edge of the fire was on a broad ridge between the two-track road and the large burning snag. [b6 & b7C] stated that the fire was not west of the broad ridge.

[b6 & b7C] pointed to the large burning snag downslope to the north and identified this tree as the candlestick that was burning when he first approached the fire. [b6 & b7C] identified that the fire was actively burning downslope off a steep drop off to the east northeast of the burning snag and was also backing upslope to the east of the broad ridge. Due to the hazard posed to investigators by the standing snags, personnel did not get close to the tree for further inspection. There was still active fire in the upper 2/3 of the snag and investigators hoped the top of the tree would fall out on its own, in order to minimize disturbance to the origin area. [b6 & b7C] took photographs and [b6 & b7C] made a preliminary sketch of the area around the large snag. Personnel left the origin area at approximately 1630 hours.

On September 10, investigators began observing rehabilitation crews on the roadways in the area surrounding the origin. Prior to this time, only fire suppression and law enforcement personnel were observed. Due to the presence of rehabilitation crews in the general area, [b6 & b7C] secured the two-track access road with flagging and

[b7E]

### September 11, 2020

On September 11<sup>th</sup> at approximately 0930 hours Investigators [b6 & b7C] and [b6 & b7C] gained access to the general

origin area. The large snag, previously identified, was still standing. b6 & b7C observed and flagged burn indicators outside the fall zone of the large snag and below the rocky ridge down the steep slope to the east. Large branches and logs were observed from snags that burned down to the ground and rolled downhill and higher burn intensity was observed from re-burn as a result of rollout.

b6 & b7C determined they could not proceed with the origin and cause investigation until the hazard snag was mitigated. b6 & b7C located a standing live fir tree to the south of the snag. b6 & b7C felled the fir tree with the intention of hitting the upper part of the snag and knocking it to the ground. The fir tree contacted the upper part of the snag; however, it did not knock the hazardous portion of the snag off. b6 & b7C departed the area and exited the landing at approximately 1500 hours.

### September 12, 2020

On September 12<sup>th</sup> at approximately 0800 hours, Investigators b6 & b7C met at the two-track road and accessed the origin area. The identified hazard trees were still standing. The large snag in question displayed minimal fire activity in the areas it had been burning on days prior. b6 & b7C observed and flagged burn indicators to the northeast of the snag. Lower burn intensity was observed to the northeast of the snag indicated by protection on brush stems and rocks (backing fire).

b6 & b7C walked the west side of the ridgeline, confirming westerly advancing fire spread starting at the ridgeline and continuing west. Spread indicators observed and flagged included protection behind rocks, sooting and staining on rocks, cupping on small brush trunks and protection on trees. b6 & b7C continued in a clockwise direction around the general origin area. North of the origin area they observed and flagged low intensity fire spread indicating backing fire from the area of the snag to the north and northeast. Additionally, much of the ground litter in this area to the north and northeast of the origin was not fully consumed, and the ladder fuels displayed minimal fire damage.

### September 13, 2020

On September 13<sup>th</sup> at approximately 0830 hours Investigators b6 & b7C arrived on scene and observed and flagged burn indicators to the northwest of the snag. White ash deposits indicating an advancing run from the transition zone on the rocky ridge where the snag was located were identified. The hazard trees and snags identified on previous days had not fallen on their own and continued to pose a safety threat to investigators. Due to the presence of the previously identified hazardous snags, it was determined that the origin investigation could not continue until the hazard



trees were felled. Investigator [b6 & b7C] contacted [b6 & b7C] assigned to that area of the fire and secured a falling team to come in the following morning and assess the feasibility of felling the trees.

### September 14, 2020

On September 14<sup>th</sup> at approximately 0830 hours, fire investigation personnel, along with two fallers assigned to the fire (the [b6 & b7C], met at the two-track to access the origin area. [b6 & b7C] was escorted into the origin area and fell the three hazard trees identified within the origin area. The two trees on the perimeter of the origin were felled away from the area to prevent further damage to the origin. The first tree was felled to the southeast, in an attempt to keep the tree intact for further examination.

After the snag was felled, [b6 & b7C] observed and flagged burn indicators around the area and to east. Backing indicators with low burn intensity were observed such as protection and curling on brush stems east of the large snag (heel of the initial advancing run and left flank). Based upon these indicators, a specific origin area was established as approximately a 5-foot radius from the felled large snag. Additionally, investigators inspected the felled snags on the ridge for evidence of lightning. The initial inspection was inconclusive due to heavy fire damage.

In the afternoon, Investigators [b6 & b7C] photographed the general origin area of the Creek Fire from the Southern California Edison Helipad located in Big Creek, CA. Investigators [b6 & b7C] attempted to duplicate the photographs of the Creek Fire originally taken by witnesses when the fire started on September 4, 2020.

Investigators [b6 & b7C] remained in the origin area and acted as reference points in the photographs. By comparing the photographs taken by witnesses with the photographs taken by Investigator [b6 & b7C] it appeared the large snag felled within the specific origin area was the same tree photographed with visible flame in the top portion of the tree shortly after the fire was reported.

### September 15, 2020

On September 15<sup>th</sup> at approximately 0845 hours, investigators again accessed the Creek Fire origin area. [b6 & b7C] and [b6 & b7C] arrived on scene and made a close visual inspection within the specific origin area. No competent ignition sources were found within the identified specific origin area. A significant opening (crack) in the fallen snag, which ran from the top of the remaining tree snag to the base of the trunk, was once again inspected. The crack appeared to run through the bark on the eastern side of the trunk. Investigators examined the area surrounding the stump of the felled snag to determine if blow holes, fulgurites, or other signs of lightning were present. Investigator [b6 & b7C] inspected the root collar area and methodically dug a hole at the base of the trunk where the crack met the soil. [b6 & b7C] used small tools,

wooden skewers and a two-inch paint brush to slowly pick and brush away the soil, with the intention of observing the roots of the tree for possible damage due to a lightning strike. At approximately 15 inches deep from the surface of the soil, [b6 & b7C] located what appeared to be a charred root. SA [b6 & b7C] collected three samples of the possible charred root debris for future examination.

### September 17, 2020

On September 17<sup>th</sup> at approximately 0930 hours investigation personnel returned to the origin of the Creek Fire. Sierra NF District [b6 & b7C] was escorted into the origin area. [b6 & b7C] took measurements, photographs and GPS coordinates of the tree. It was requested that [b6 & b7C] cruise the tree in order to determine the species, approximate height, and approximate diameter of the tree prior to being impacted by fire. Investigators [b6 & b7C] arrived on scene to photograph the felled snag and specific origin area. Flagging was placed along the felled snag for an improved visual representation and photographed.

Based on [b6 & b7C] observations, she determined the species of the tree was a Douglas Fir. The remains of the tree measured at approximately 94"-8" with no true top present. [b6 & b7C] estimated the diameter breast height to be between 45-48". Additionally, [b6 & b7C] determined the tree was likely dead when the Creek Fire started. Additionally, [b6 & b7C] indicated she did not observe any obvious signs of lightning inflicted wounds that were outwardly apparent on the tree.

### September 17, 2020—April 29, 2021

Between September 17, 2020 and April 29, 2021, investigators continued their attempts to identify subject/s that were in the origin area of the Creek Fire on September 4, 2020. SA [b6 & b7C, b7E]

**b7E**

**b7E**

(See full report of investigation for details).

### CAUSE DETERMINATION:

Excluded Cause Categories:

Based on information identified during the investigation and observations made within the Creek Fire origin area, investigators excluded a number of cause categories, including: equipment use, campfire, debris burning, railroad, children, and the categories falling under miscellaneous (power lines, fireworks, cutting, welding, grinding, firearms use, blasting, structures, glass reflection/refraction, spontaneous combustion, and flare stacks/fire pits).

Included Possible Cause Categories:

- **Smoking**

Investigators were not able to exclude smoking as a possible cause of the Creek Fire. The Guide to Wildland Fire Origin and Cause Determination handbook identifies the cause category of smoking as wildfires caused by smoking activities or accoutrements, including matches, cigarettes, cigars, pipes, illegal substances, etc. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 207, (2016). In determining the probability of a cigarette as a competent ignition source, investigators consider the following: physical characteristics of the cigarette, environmental factors, physical placement factors. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 207, (2016). Cigarette ignition factors are 0% RH, Start Likely; 10% RH, Start Possible; 18% RH, Start Unlikely; and 22% RH, No Start. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 208, (2016). Environmental factors include: finely particulate fuel bed, loose fuel arrangement, fine dead fuel moisture (FDFM) less than 14%, 80°F + ambient temperature, microclimate location (temperature at ground level vs. temperature at higher level), Relative Humidity (RH) of 22% or less. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 208, (2016).

The environmental factors within the identified origin area of the Creek Fire were within the parameters required for smoking to be considered as a possible cause. The weather recorded by fire suppression personnel at 2000 hours on September 4, 2020, was as follows: temperature 80 °F, relative humidity 20%, and winds 0-5 mph out of the southeast. Additionally, the weather recorded at a Southern California Edison weather station in Big Creek, CA at 1820 hours on September 4, 2020, was as follows: temperature 80 °F, relative humidity 20%, and winds 3 mph out of the west. The ground fuel bed in the area of the origin was a combination of light annual grasses mixed with leaf litter along with areas containing a heavy duff layer consisting of pine needles, leaves and twigs. The fine dead fuel moisture for the Sierra National Forest is currently at critical levels, well below 14%.

There was no physical evidence located within the origin area of the Creek Fire to support smoking as a probable cause. However, USFS FEO **b6 & b7C** indicated he observed hatchet marks on vegetation as well as cigarette butts as he was initially gaining access to the Fire. Additionally, investigators observed areas within the general origin where re-burn may have occurred due to rolling debris downhill, indicating that portions of the origin area may have burned a



second time after the Creek Fire initially started. Subsequent follow-up investigation into the Creek Fire has failed to identify the presence of a subject/s in or around the origin area for a time period of 12 hours before and immediately after the Creek Fire was reported (from 0700 hours to 1900 hours on September 4, 2020).

- **Arson/Incendiary**

Investigators were not able to exclude arson/incendiary as a possible cause of the Creek Fire. The Guide to Wildland Fire Origin and Cause Determination handbook identifies the cause category of arson/incendiary as wildfires deliberately or maliciously set with the intent to damage or defraud. "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 215, (2016). Arson is more specifically defined as the intentional and wrongful burning of someone else's property or one's own property (as to fraudulently collect insurance). (Garner, 2009) "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 299, (2016). Incendiary is more specifically defined as deliberately and unlawfully setting fire to property. (Garner, 2009) "NWCG Handbook", PMS 412, NFES 1874, Chapter 6, page 299, (2016). These terms are often used interchangeably.

No evidence specifically supporting arson/incendiary was located within the origin of the Creek Fire. However, due to the fact there was not conclusive data, physical evidence, or witness accounts of lightning activity in the area, investigators cannot rule out the possibility that the Creek Fire was caused by arson/incendiary. The Guide to Wildland Fire Origin and Cause Determination handbook indicates the majority of wildland arson fire scenes are accessed by motor vehicles due to the low risk of access and egress (PMS 412, Chapter 7, page 303). The Creek Fire origin was not accessible by vehicle and would have required a suspect to hike in a significant distance, with an increased risk and exposure during egress from the area. The follow-up investigation into the Creek Fire has failed to identify the presence of a subject/s in or around the origin area for a time period of 12 hours before and immediately after the Creek Fire was reported (from 0700 hours to 1900 hours on September 4, 2020).

Included Probable Cause Category:

- **Lightning**

Investigators ultimately concluded lightning is the probable cause of the Creek Fire. The Guide to Wildland Fire Origin and Cause Determination handbook identifies the cause category of lightning as any wildland fire started as the result of lightning activity. Lightning occurrence maps are a significant tool to be utilized in suspected lightning caused fires. Lightning is discharged static electricity associated with thunderstorm activity. Lightning is typically a series of short bursts approximately two inches in diameter, lasting for about one-half second. These lightning discharges include cloud-to-ground strikes which are in the range of 100 million volts, 200,000 amperes, and 54,000 °F. "NWCG

Handbook”, PMS 412, NFES 1874, Chapter 6, page 197, (2016). The circumstances indicating a possible lightning strike as a cause includes recent electrical storm (hours/days/weeks) activity in the area, the presence of indicators of sleepers and holdovers, scarring on trees or snags, precipitated sap, needle shower, ballistic penetration of adjoining vegetation by needles and small twigs or splinters, blow-holes at base of tree, fulgurites, and splintered wood or vegetation. “NWCG Handbook”, PMS 412, NFES 1874, Chapter 6, page 197, (2016).

Investigators initially examined lightning activity data provided to them by Sierra National Forest Dispatch (obtained through the BLM Lightning Services Database) on September 5, 2020. The data obtained from the BLM Lightning Services Database indicated there had been no lightning activity near or surrounding the Creek Fire origin area for the previous seven days. Additionally, SA [REDACTED] retrieved lightning data from Earth Networks. According to Earth Networks, there were four lightning strokes in the general area between August 21, 2020 (00:00 PDT) and September 4, 2020 (23:55 PDT). All of the lightning strokes detected by the Earth Networks system occurred on August 24, 2020. Only one of those four strokes detected by Earth Networks was cloud to ground and all the strokes detected were over eight miles away from the origin area of the Creek Fire.

SA [REDACTED] also retrieved STRIKEnet lightning data reports from CoreLogic to determine if lightning activity was present at or near the identified origin area of the Creek Fire. CoreLogic STRIKEnet reports use data from Vaisala’s National Lightning Detection Network (NLDN). Vaisala identifies their NLDN network as being the most comprehensive lightning strike archive database in North America. According to Vaisala, their NLDN is capable of identifying approximately 70-80% of all cloud-to-ground strokes that occur. Additionally, Vaisala’s NLDN is able to detect approximately 95% of all cloud-to-ground lightning flashes that occur. A “lightning stroke” is a lightning discharge that connects a charge region in a cloud to the ground. A “lightning flash” consists of one or more cloud pulses and/or cloud-to-ground strokes that typically occur within one second (<https://www.vaisala.com/sites/default/files/documents/Lightning-Booklet.pdf>). According to the STRIKEnet report for Saturday August 22, 2020 (00:00 PDT) through Friday September 04, 2020 (23:59 PDT), there were three cloud-to-ground lightning strokes detected within a fifteen-mile radius of the identified origin area for the Creek Fire. All three of the strokes occurred on the morning of August 24, 2020, and were over eleven miles away from the origin area of the Creek Fire. According to the STRIKEnet report for Saturday August 8, 2020 (00:00 PDT) through Friday August 21, 2020 (23:59 PDT), there were four cloud-to-ground lightning strokes detected within a fifteen-mile radius of the identified origin area for the Creek Fire. The four strokes identified during this timeframe all occurred on August 17, 2020, and were over twelve miles away from the origin area of the Creek Fire. According to the STRIKEnet report for Saturday July 25, 2020 (00:00 PDT) through Friday August 7, 2020 (23:59 PDT), there were three cloud-to-ground lightning strokes detected within a fifteen-mile radius of the identified origin area for the

Creek Fire. The three strokes identified during this timeframe occurred on July 25-26, 2020, and were all over twelve miles away from the origin area of the Creek Fire. The CoreLogic STRIKENet reports include maps identifying the locations of the recorded lightning strokes. Additionally, confidence ellipses for each stroke are identified on the map. The Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning even contacted the ground within the bounds of the ellipse.

Based on the rate of error for the National Lightning Detection Network (capable of identifying approximately 70-80% of all cloud-to-ground strokes that occur and approximately 95% of all cloud-to-ground lightning flashes that occur), it is possible that undetected lightning activity did occur within the Big Creek drainage. If this were true, it would have most likely occurred during the early morning hours of August 24, 2020, when a significant lightning storm developed off the Pacific Ocean and moved inland during the overnight hours. It is not uncommon to discover "sleeper" or "holdover" fires caused by lightning several days or even weeks after a lightning event; however, it requires the presence of fuels capable of holding a smoldering fire for an extended period of time. In the area of the Creek Fire, the estimated live fuel moistures in the brush component were at approximately 60%, and 1000-hour fuel moistures for larger diameter downed timber was approximately 6%. Both of these fuel moistures are at critically dry levels.

Witnesses interviewed during the investigation did not indicate the presence of lightning activity within the Big Creek area prior to the ignition of the Creek Fire. **b6 & b7C** a USFS Fire Patrol assigned to the Big Creek station, indicated he had not observed any lightning activity in the area of the Big Creek drainage during the entire summer.

**b6 & b7C** a resident of Big Creek and a Cal Fire firefighter, also indicated there hadn't been any lightning activity and the area had been "bone dry". **b6 & b7C** USFS Mt. Tom lookout, indicated the monsoonal thunder and lightning storms that typically develop on the crest of the Sierra Nevada mountain range do not typically reach the area of Big Creek. Additionally, a review of camera footage from the Meadow Lakes Fire Detection Camera (part of the Alert Wildfire camera system) determined the area was hazy but moderately clear during the time prior to the Creek Fire starting. The time period the footage was reviewed covered September 2, 2020 through September 4, 2020.

Lightning has ultimately been identified as the probable cause of the Creek Fire for four reasons:

- 1) Investigators obtained a photograph by a witness showing significant fire activity in the upper portion of a tree during the early stages of the fire. The photograph in question was taken by **b6 & b7C** at 1924 hours on September 4, 2020, approximately one hour and six minutes after the Creek Fire was initially reported. **b6 & b7C** also described the fire as being a smoke chimney with a single snag on fire. Additionally, initial attack fire suppression personnel



indicated they observed a fully engulfed tree during the early stages of the Creek Fire. Helicopter 25M **b6 & b7C** **b6 & b7C** specifically recalled observing fire in a dead snag approximately 150 feet tall. **b6 & b7C** also indicated the fire was only ½ to 1 acre in size when he first arrived. **b6 & b7C** indicated fire was in the top of the tree; however, he also said the fire appeared to have started from the bottom and climbed up the snag. When FEO **b6 & b7C** the first ground resource to access the fire, was escorted into the origin area by investigators, he pointed to the large burning snag downslope to the north and identified this tree as the “candlestick” that was burning when he first approached the fire. **b6 & b7C** identified that the fire was actively burning downslope off a steep drop off to the east northeast of the burning snag and was also backing upslope to the east of the broad ridge. It was determined by investigators that the tree identified by **b6 & b7C** was the same tree photographed by **b6 & b7C** and observed by **b6 & b7C**

- 2) The significant fire activity in the identified snag tree was not equivalent to the fire activity within the remainder of the fire perimeter during the initial stages of the fire. USFS Fire Patrol **b6 & b7C** described his initial observation of the fire as being a small wisp of smoking turning into a column. **b6 & b7C** indicated he could tell the fire had been a ground fire, but it was developing in the heavy jackpotted fuels. **b6 & b7C** who was observing the fire from the Big Creek SCE helipad, described the fire as being a smoke chimney with a single snag on fire. Helicopter 25M **b6 & b7C** indicated the fire was about ½ to 1 acre in size when he arrived. **b6 & b7C** specifically described the snag tree as having spots of fire along the snag from the ground up. Additionally, **b6 & b7C** indicated the light flashy ground fuels in the fire area had already been burned and only the larger diameter logs and fuels on the ground were burning.
- 3) Investigators located the tree identified in the above referenced photograph provided by **b6 & b7C** which was also described by Helicopter 25M **b6 & b7C** and identified by USFS FEO **b6 & b7C** within the origin area of the Creek Fire. Investigators photographed and closely examined the tree in question, which investigators identified as a large snag within the specific origin area. Investigators observed large quantities of tree branches scattered on the ground approximately 10-15 feet northeast of the snag, in an area where backing fire indicators were observed. Scattered tree debris is an indicator of a lightning struck tree; however, in some instances these remains will be consumed by the fire. The large snag in question was one of the trees that posed a hazard to investigators and was felled on September 14, 2020. After it was felled investigators conducted a closer examination of the tree and the area immediately surrounding the tree. There was a distinct “V” shaped spiral down the remaining surface of the tree; however, due to the significant fire damage and consumption, investigators were not able to determine if the “V” shaped spiral was a lightning pathway or as a result of the tree being impacted by fire

for an extended period of time. Additionally, no fulgurites were located in the area surrounding the snag tree.

- 4) During the initial origin and cause investigation and the subsequent follow-up investigation, no subject/s has been identified as being in or around the Creek Fire origin area. SA


**b6 & b7C, b7E**

Additionally, SA

**b6 & b7C, b7E**

Ultimately, investigators have exhausted all available leads and resources in an attempt to identify subject/s that were in the vicinity of the Creek Fire origin prior to and shortly after the fire was reported. At this time, no subject/s have been identified. Based on the above facts, along with the fact that no physical evidence was located to support any other fire cause categories as the probable cause of the Creek Fire; investigators have determined that lightning is the probable cause.

Future leads or information obtained related to the cause of the Creek Fire may result in a change of this conclusion.

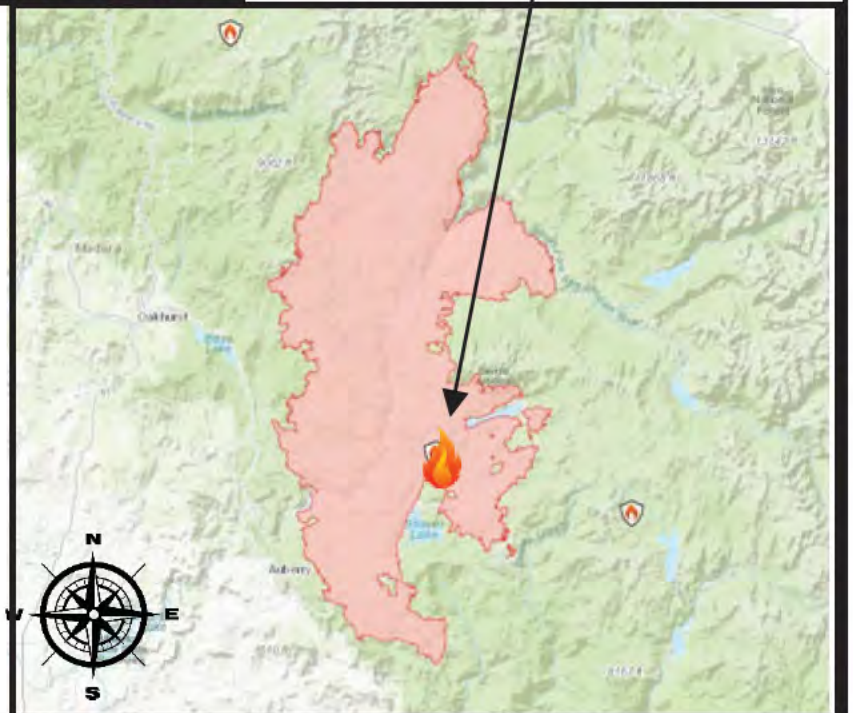
 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)			Incident Number	20-05-MAMP0J1
				Incident Date	09/04/2020

Fire Name	CREEK FIRE								
Latitude	37°	11'	45"	Longitude	119°	16'	08.9"	Datum	NAD 27

FIRE SCENE SKETCH (INCLUDE SCALE, TITLE, AUTHOR, NORTH ARROW, DATE AND TIME)




**CREEK INCIDENT**



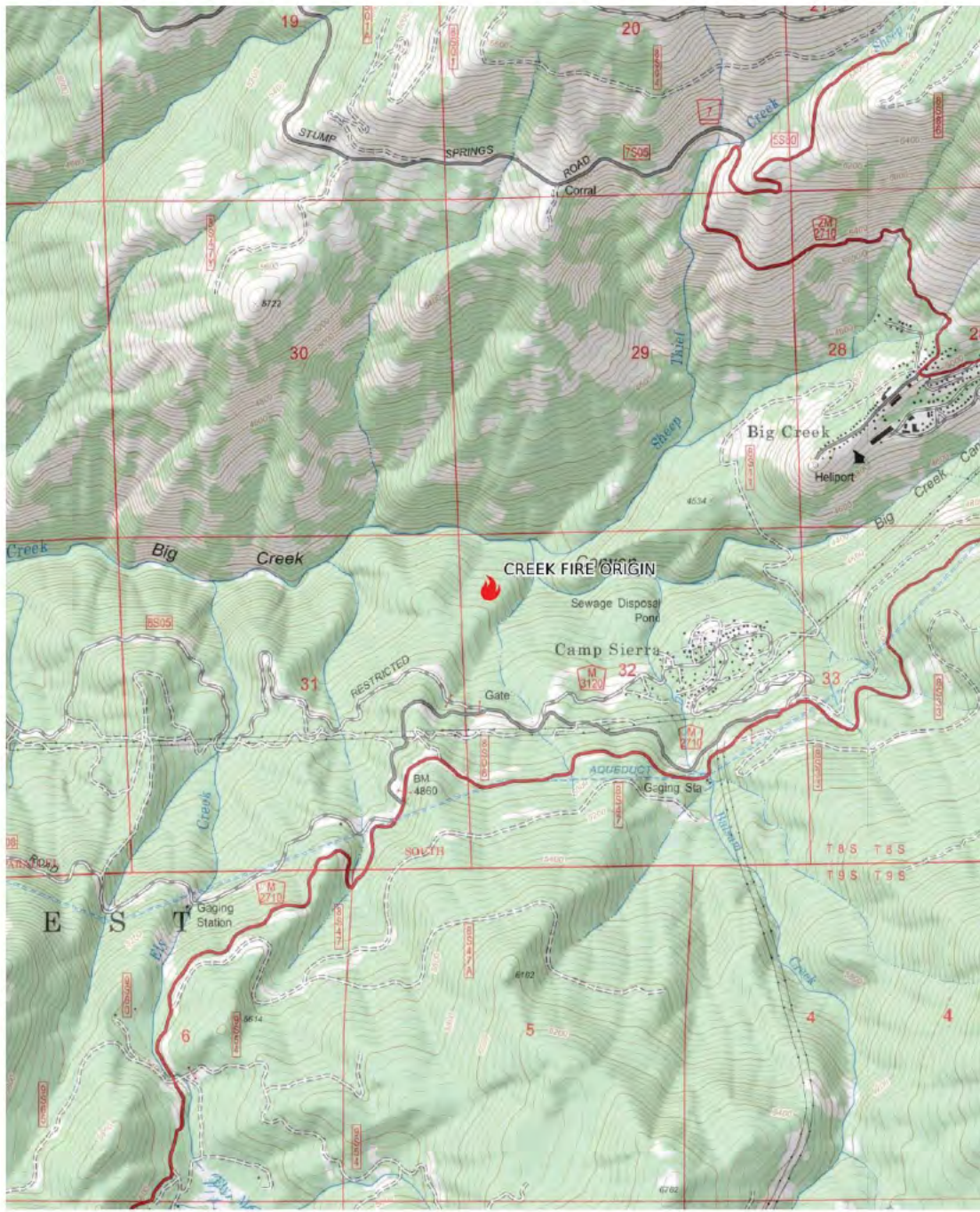
SCALE	NOT TO SCALE	AUTHOR	b6 & b7C	DATE		TIME	
-------	--------------	--------	----------	------	--	------	--




 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)						Incident Number	20-05-MAMP0J1
							Incident Date	09/04/2020

Fire Name	CREEK FIRE								
Latitude	37°	11'	45"	Longitude	119°	16'	08.9"	Datum	NAD 27


FIRE SCENE SKETCH (INCLUDE SCALE, TITLE, AUTHOR, NORTH ARROW, DATE AND TIME)



Mercator Projection  
 NAD27 Conus  
 USNG 11SKB-11SLB  


Scale 1:24283    1 inch = 2024 feet

0.5    1.0    1.5    2.0    2.5 km  
 0.5    1.0    1.5 mi



N  
 MN  
 12°

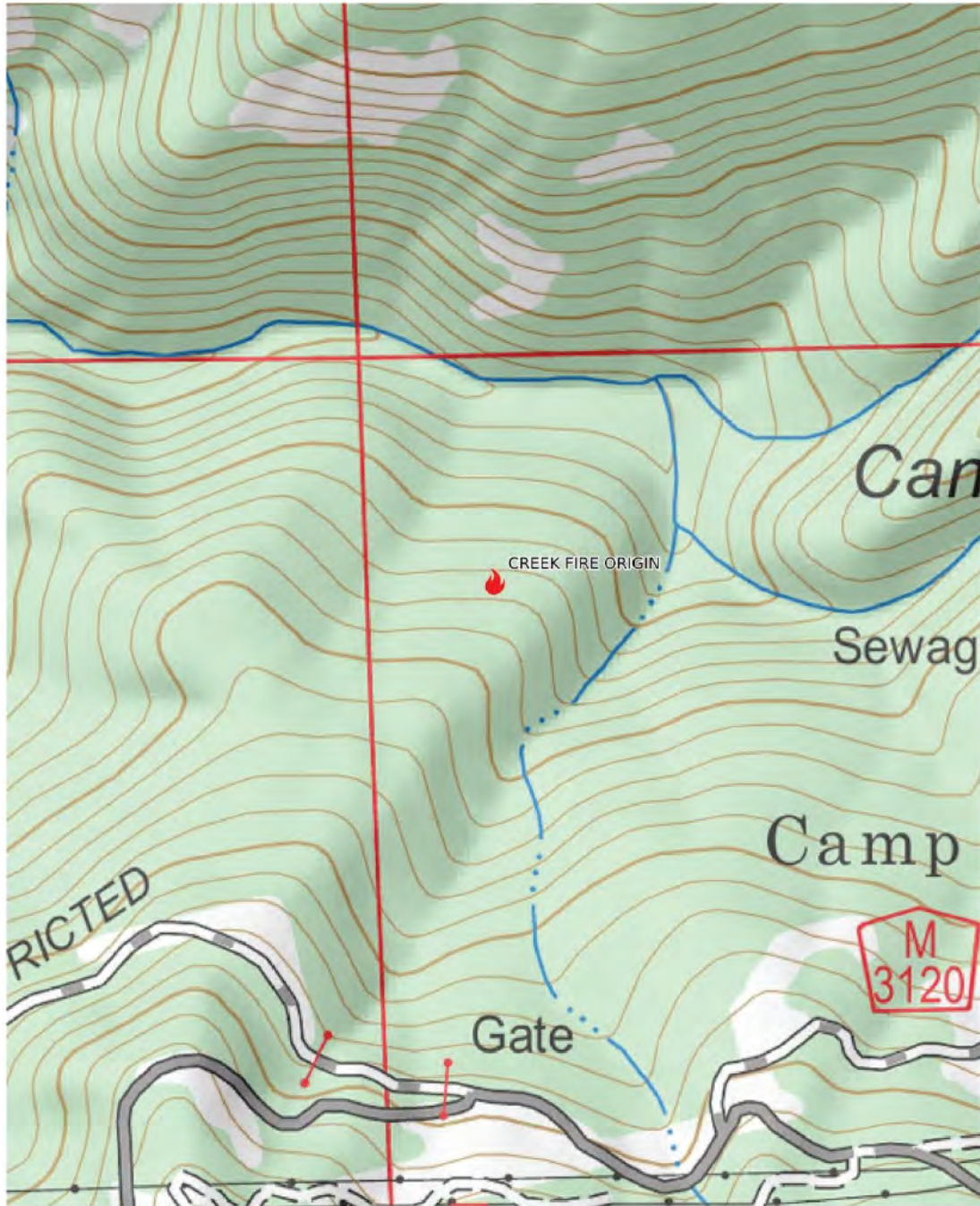
SCALE	1:24283	AUTHOR	b6 & b7C	DATE	09/21/2020	TIME	
-------	---------	--------	----------	------	------------	------	--




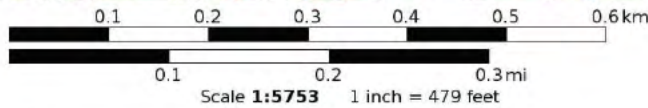
 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)						Incident Number	20-05-MAMPOJ1
							Incident Date	09/04/2020

Fire Name	CREEK FIRE								
Latitude	37°	11'	45"	Longitude	119°	16'	08.9"	Datum	NAD 27

FIRE SCENE SKETCH (INCLUDE SCALE, TITLE, AUTHOR, NORTH ARROW, DATE AND TIME)



Mercator Projection  
 NAD27 Conus  
 USNG Zone 11SKB  


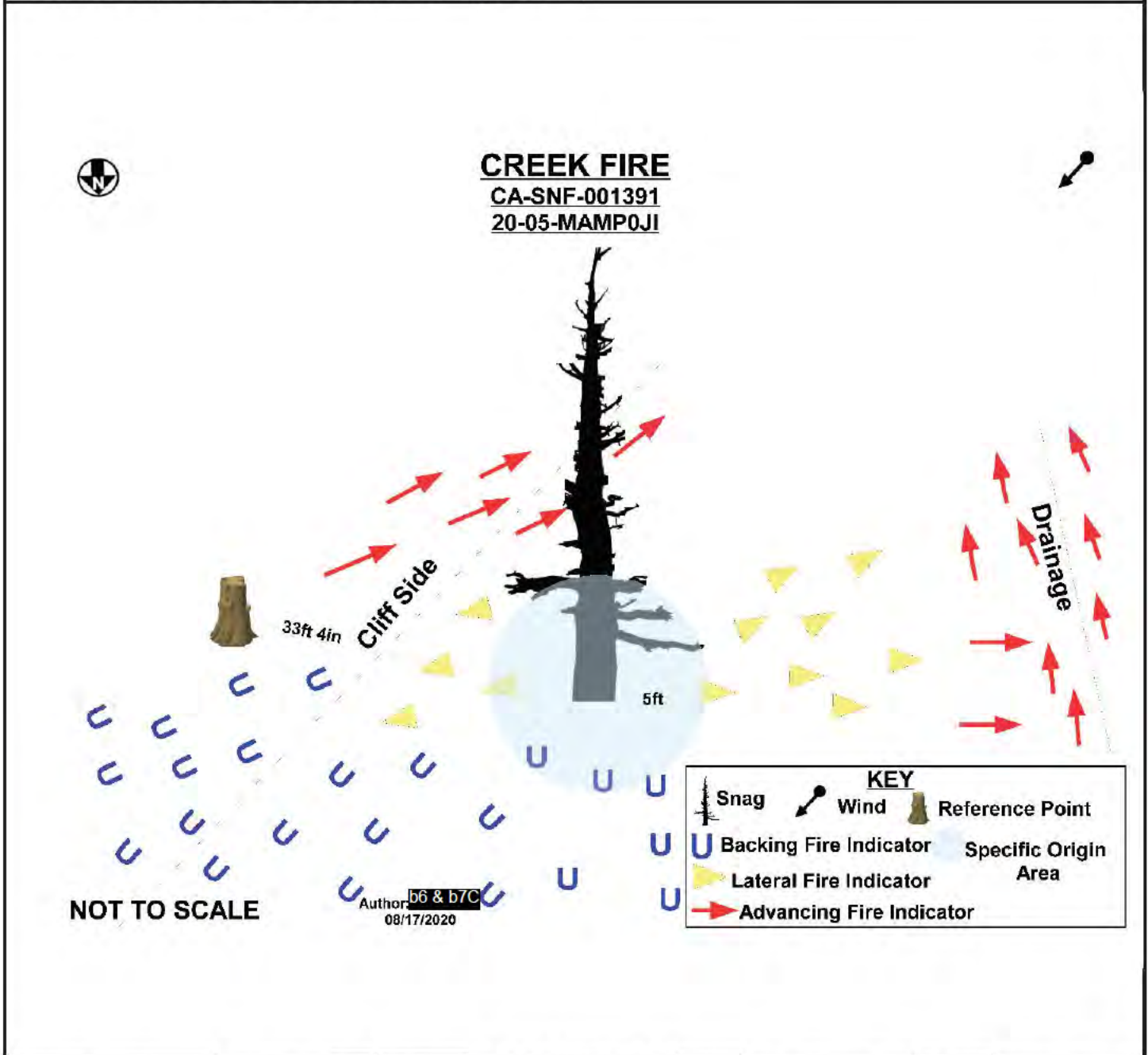


SCALE	1:5753	AUTHOR	b6 & b7C	DATE	09/21/2020	TIME	
-------	--------	--------	----------	------	------------	------	--

 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)				Incident Number	20-05-MAMP0J1
					Incident Date	09/04/2020

Fire Name	CREEK FIRE								
Latitude	37°	11'	45"	Longitude	119°	16'	08.9"	Datum	NAD 27

FIRE SCENE SKETCH (INCLUDE SCALE, TITLE, AUTHOR, NORTH ARROW, DATE AND TIME)



SCALE	NOT TO SCALE	AUTHOR	<span style="background-color: black; color: white; padding: 2px;">b6 &amp; b7C</span>	DATE	09/17/2020	TIME	1600 Hrs
-------	--------------	--------	--	------	------------	------	----------




 USDA Forest Service	<b>Wildland Fire Origin and Cause Supplemental Incident Report</b> (Reference FSH 5309.11, Chapter 20)		Incident Number	20-05-MAMP0J1
			Incident Date	09/04/2020
<b>PHOTOGRAPHIC LOG</b>				
<b>FIRE NAME</b>	<b>CREEK FIRE</b>		<b>DATE</b>	<b>09/18/2020</b>
<b>CAMERA</b>	<b>SONY CYBER-SHOT EXMAR 20.4MP</b>	<b>PHOTOGRAPHER</b>	<b>b6 &amp; b7C</b>	
<b>IMAGE NO.</b>	<b>DESCRIPTION</b>		<b>DIRECTION OF PHOTO (COMPASS)</b>	
DSC01403	Front page of Incident Action Plan		Overhead	
DSC01404-09	Vermeer Woodchipper, License Plate number <b>b6 &amp; b7C</b>		South/South West	
DSC01410-14	Standing Snag (Un-Zoomed/Zoomed)		North	
DSC01415-16	Upper portion of snag		North/North East	
DSC01417-18	Fresh snapped branches (Un-Zoomed/Zoomed)		South/South West	
DSC01419-20	Fresh snapped branches (Un-Zoomed/Zoomed)		North/North East	
DSC01421-24	Standing Snag (Un-Zoomed/Zoomed)		North/North East	
DSC01425	Standing Snag w/Feller at base		North/North East	
DSC01426	Charred root at base of the snag's trunk		West/South West	
DSC01427	Charred root at base of the snag's trunk (Zoomed)		West/South West	
DSC01428	Large crack into tree		South West	
DSC01429	Large crack running up length of tree		South/South West	
DSC01430	Tree Sap pulled to edges of crack		West	
DSC01431-34	Collection of possible charred tree root, by SA <b>b6 &amp; b7C</b>		Overhead	
DSC01435	Depth of hole housing charred root (16in)		South West	
DSC01436	Depth of hole housing charred root (Zoomed, 16in)		South West	
DSC01437	Overall Advancing Run		East	
DSC01438	Major Advancing Run from Big Creek w/Reburn		North West	
DSC01439	Overall Advancing Run w/transition		East	
DSC01440	Overall Backing fire Indicators		North	
DSC01441	Overall Lateral Fire Indicators		West	
DSC01442	Lateral Fire Indicators		South	
DSC01443	Transition area, Backing & Lateral Fire Indicator		North/North East	
DSC01444	Backing Fire Indicator, Protection on rock (Zoomed)		North East	
DSC01445	Lateral Fire Indicator, Protection on Manzanita		West	
DSC01446	Advancing Fire Indicator, white ash deposits		North West	
DSC01447	Top of Snag, V Notch crack continuing down tree		North West	
DSC01448	Top of Snag, V Notch crack continuing down tree		Overhead	
DSC01449	Top of Snag, V notch crack continuing down tree		North	
DSC01450	Midsection of snag, crack continuing down tree		North West	
DSC01451	Midsection of snag, crack continuing down tree (Zoomed)		North West	
DSC01452	Impact point, Snag on Rock with continuous V notch crack		North	
DSC01453	Impact point, Snag on Rock with continuous V notch crack (Zoomed)		North	
DSC01454	Below impact point, with continuous V notch crack		North	
DSC01455	Second Break on Snag		South East	

IMAGE NO.	DESCRIPTION	DIRECTION OF PHOTO (COMPASS)
DSC01456	Second Break on Snag	North
DSC01457	Length of Snag, with exposed crack	North
DSC01458	Stump of Snag, crack running down stump	West
DSC01459	Stump w/Flagging outlining crack in alignment with root	Overhead
DSC01460	Flagging outlining continuous crack in tree	West
DSC01461	Flagging outlining continuous crack in tree	South
DSC01462	Flagging outlining continuous crack in tree	North

INVESTIGATOR NAME/TITLE	INVESTIGATOR SIGNATURE	DATE
b6 & b7C	b6 & b7C	

**Instructions for filling out the FS-5300-45, Wildland Fire Origin and Cause Supplemental Incident Report****LOCATION**

**Fire Name:** The fire incident name assigned to the individual fire. If several fires have been combined into a Complex, use the individual name of the fire rather than the Complex name. There may be several independent investigations for the various individual fires within a Complex, each requiring an individual O&C report.

**Dispatch #:** The alpha-numeric designator used by dispatch for the State-County-Year-WildCad # (e.g. CO-MLX-2013-246)

**Account code** – the “P code” assigned to the fire.

**Region:** Two digit Region identifier (e.g. 01)

**Forest:** Two digit Forest identifier (e.g. 08)

**District:** The single or two digit District identifier (e.g. 3 or 50)

**State:** Two letter alpha identifier of the State (e.g. AZ)

**County:** Spell out the county name.

**Origin Location:** Use common geographical names and road numbers that would allow the reader to locate the general fire location on a map.

**Township/Range/Section/ ¼ Section:** Example 39N, 1W, 18

**Meridian/Datum:** Enter the meridian used for the Township and Range reference and enter the datum used for the latitude and longitude reference (e.g. NMPM/NAD83)

**JURISDICTION**

**USFS Only:** Enter “yes” or “no” based on the land ownership burned by the fire. If the fire burned onto non-National Forest System land enter “no” and then fill in “**Identify Other Agency(s)**” with the State or local agency having concurrent jurisdictional responsibility for the fire investigation.

**Lead Origin & Cause Investigator:** Title and name of the lead Forest Service O&C Investigator.

**Est. Suppression Cost:** Estimated total suppression costs. This includes Forest Service and assisting agencies’ costs. This information can generally be obtained from Incident Business Management Team or IC.

**Injuries/Deaths:** Number of serious injuries or deaths as a result of the fire.

**EVENT SEQUENCE**

**Estimated Time of Ignition:** An estimate based on factors such as the time of the initial report, the fire behavior, and the O&C investigation. The “**Who**” is the name of the individual making the estimate.

**Time Fire Reported:** The time of the first report of the fire. The “**Who**” is the name of the individual who first reported the fire.

**Time origin protected:** The time and date the actual origin area was secured, either by fire crews or investigators.

**Time origin released:** The time and date the actual origin area investigation was complete and the area was opened to the public or other investigators.

**FIRE BEHAVIOR**

**Estimated acres:** Estimated total acreage at fire containment, or at time of report.

**Fuel Type @ Ignition Area, Material First ignited:** e.g. grasses, pine needles, duff

**Weather Observer (On Scene):** Name of the individual who took weather readings or weather observations at time closest to ignition of fire. Generally is a person with the initial attack crew.

**Slope:** Percent slope at the specific origin area.

**Aspect N E S W:** Direction the specific origin area is facing.

**Elevation:** Elevation of the specific origin area.

**Weather Station: Date, Time, Temp, RH, Wind Dir, Wind Speed:** Name of the closest Remote Automated Weather Station (RAWS) and the readings from the RAWS at the time closest to the estimated time of ignition.

**CAUSE DETERMINATION**

Use a two letter identifier for the level of certainty for each of the nine cause categories listed. The level of certainty is based on the definitions used in NFPA 921, 4.5.1. Explain the determination (PS, PR, EX) in detail for each of the nine categories. It is not necessary to go into detail on the ignition sources that are clearly not possible. This is based on the investigation results and/or the absence of the cause at the origin (e.g. no railroad in the origin area). The form expands to accept unlimited narrative in each of the nine cause categories blocks.

**PS = Possible:** At this level of certainty, the hypothesis can be demonstrated to be feasible but cannot be declared probable. If two or more hypotheses are equally likely, then the level of certainty must be “possible.” Describe how you “tested” each hypothesis.

**PR = Probable:** This level of certainty corresponds to being more likely true than not. At this level of certainty, the likelihood of the hypothesis being true is greater than 50%. Describe how you “tested” the hypothesis and arrived at a determination of probable.



**EX = Excluded:** A determination of “excluded” should be used if the cause is not possible or probable.

**Cause Determined:** Either this field or the “cause undetermined” field should be filled out; not both. State the actual cause and give a brief summary explaining the cause.

**Cause Undetermined:** Give a brief summary of why the cause is “undetermined.” An undetermined fire cause may later be changed to “cause determined” if new evidence becomes available.

**Subject/Witness/Victim/Reporting Party/Other:** Self-explanatory.

**VEHICLE INFORMATION:** Self-explanatory

**EVIDENCE/PROPERTY INFORMATION:**

Use evidence/property on form FS-5300-48 and FS-5300-49 and attached to FS 5300-45. (Law Enforcement and Investigation Inventory of Seized or Impounded Property).

**INSURANCE INFORMATION:**

The cost of fire suppression and resource damages can often be recovered by ASC-Claims through Homeowners, Automobile, or Umbrella policies of the individual or company who caused the fire. Include as much of this information as available.

**SYNOPSIS:**

**(Date, Fire Name, Estimated Acres, Location, Jurisdiction); (Estimated Cost, Damage; Property / Resource); (Cause; Determined / Undetermined):** Give a brief, one or two paragraph summary of the fire, including information on each of the items listed in this heading.

**DETAILS OF INVESTIGATION:**

**(Initial Report, Initial Attack, Initial Investigation, Fire Behavior Analysis, Statements, Origin Examination, Cause Determination:** Provide a detailed write-up of the fire origin and cause investigation, including but not limited to how and when the fire was initially reported, who reported it, who it was reported to; provide details on who responded on the initial attack, both citizens and initial fire crew response, and describe the suppression actions they took that are relevant to the origin investigation. Describe in detail the methodology used by the qualified fire investigator(INVF) for the investigation of the General Origin Area, the Specific Origin Area, and the Ignition Area of the fire. Also include details in this section about on scene weather data, lightning data, 911 call logs, and RAWs information as it relates to the origin and cause determination. Reference and attach documents, statements, and photographs as needed. Include information about the fire behavior as it relates to the ignition factors and origin determination. Attach the report of the Fire Behavior Analyst (FBAN) if used or referenced. Describe in detail the cause determination: how did the heat source come in contact with the materials first ignited, what were the ignition factors (e.g. windy conditions, burning without proper clearances, no screen on burn barrel, inadequate spark arrestor, etc.).

**FIRE SCENE SKETCH**

**(INCLUDE Scale, Title, Author, North Arrow, Date and Time):** Insert the fire scene sketch or diagram on this page. The document can be scanned and inserted electronically at this location in the form.

**PHOTO LOG**

**Date:** The date the photographs were taken.

**Camera:** The camera model used to take the photographs (e.g. Nikon D100).

**Photographer:** The name of the person taking the photographs. If there are multiple photographers, consider using a separate page for the additional photographer(s).

**Image No:** Enter the original image number assigned by the camera (e.g. DSC\_0171). If the image number is “renamed” by the author include that in the “Description” section.

**Description:** Enter a description of what the photograph is showing. If the photograph is showing a fire pattern indicator include the indicator category, the item depicted, and the fire vector (e.g. Protection, pine cone, Advancing).

**Direction of Photo (Compass):** Enter the compass direction the camera is facing when the picture was taken (e.g. N, ENE, SW, etc).

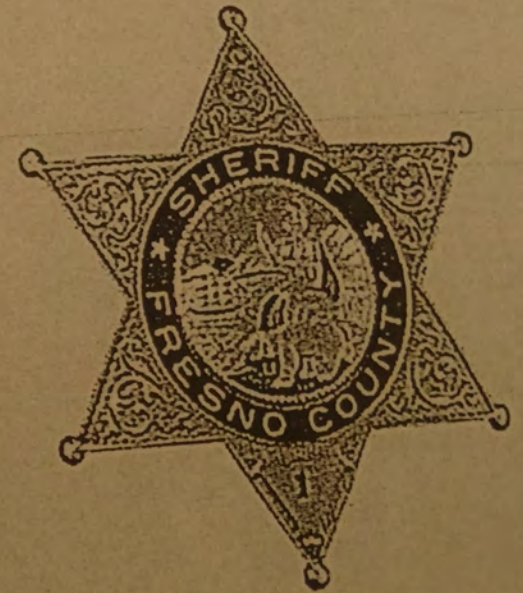


# INCIDENT ACTION PLAN

## CREEK INCIDENT

CA-SNF-001391

P5NJ3F(0515)



Tuesday

SOUTH ZONE 09 09 2020





b6 & b7C

09 09 2020





09 09 2020





09 09 2020



ALLEN

09 09 2020



b6 & b7C

09 09 2020



b6 & b7C

09 09 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 10 2020





09 11 2020





09 11 2020





09 11 2020





09 11 2020





09 14 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020



b6 & b7C



09 15 2020



b6 & b7C



09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





09 15 2020





20126 • U.S. Department of Agriculture • Forest Service  
UNCOR LAMPEC PA

09 15 2020





09 15 2020





09 15 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020





09 17 2020



# STATION: SE625  
 # STATION NAME: SCE Point Rd  
 # LATITUDE: 37.20143  
 # LONGITUDE: -119.25259  
 # ELEVATION [ft]: 5015  
 # STATE: CA

Station_ID	Date_Time	air_temp_1 Fahrenheit %	relative_hu %	wind_spee Miles/hour	volt_set_1 volts	wind_gust Miles/hour	wind_dirac Degrees	dew_point Fahrenheit	wind_chill Fahrenheit	wind_card Fahrenheit code	heat_index_set_1d Fahrenheit
SE625	09/03/2021	83	31.84	3.3	13.48	8.77	276.9	50.01		W	81.39
SE625	09/03/2021	83.5	31.49	2.58	13.48	6.65	273.9	50.15		W	81.75
SE625	09/03/2021	83.5	31.53	2.61	13.48	6.72	278.5	50.19		W	81.76
SE625	09/03/2021	83.2	31.9	2.9	13.48	6.79	284.1	50.24		WNW	81.55
SE625	09/03/2021	82.8	32.39	2.54	13.48	5.63	289	50.29		WNW	81.29
SE625	09/03/2021	83.4	31.8	2.75	13.39	6.21	286.2	50.33		WNW	81.7
SE625	09/04/2021	83.6	31.65	2.52	13.44	7.24	285.6	50.38		WNW	81.85
SE625	09/04/2021	84	31.37	2.69	13.4	6.5	278.3	50.49		W	82.15
SE625	09/04/2021	83.6	31.96	2.78	13.43	7.53	273.2	50.64		W	81.88
SE625	09/04/2021	83.4	32.25	3.5	13.4	7.01	271.2	50.71		W	81.75
SE625	09/04/2021	83	32.88	2.83	13.41	7.01	275.4	50.87		W	81.49
SE625	09/04/2021	82.6	33.2	2.57	13.47	5.78	271.9	50.78		W	81.21
SE625	09/04/2021	82.2	33.57	2.1	13.46	4.75	280.3	50.72		W	80.94
SE625	09/04/2021	81.8	33.99	1.67	13.43	3.65	281.7	50.71		WNW	80.68
SE625	09/04/2021	81.4	34.46	1.67	13.37	3.58	284.8	50.72		WNW	80.44
SE625	09/04/2021	80.9	35.09	1.67	13.35	3.88	281.2	50.76		W	80.14
SE625	09/04/2021	80.6	35.41	1.77	13.24	4.82	279.1	50.74		W	79.96
SE625	09/04/2021	79.65	36.42	1.59	13.2	4.32	276.9	50.65		W	
SE625	09/04/2021	78.55	37.59	1.42	13.16	3.43	261	50.52		W	
SE625	09/04/2021	77.89	38.2	0.99	13.14	3.14	261.1	50.36		W	
SE625	09/04/2021	76.82	39.57	0.72	13.11	1.97	248.1	50.35		WSW	
SE625	09/04/2021	76.24	40.57	0.14	13.1	0.96	227.2	50.49		SW	
SE625	09/04/2021	75.74	41.34	0.43	13.09	1.61	245.6	50.55		WSW	
SE625	09/04/2021	75.21	42	0.48	13.08	1.97	244.9	50.5		WSW	
SE625	09/04/2021	75	42.44	1.06	13.08	2.85	259.4	50.59		W	
SE625	09/04/2021	74.45	43.25	0.36	13.07	1.68	272	50.6		W	
SE625	09/04/2021	74.26	43.34	0.26	13.07	1.61	297.8	50.48		WNW	
SE625	09/04/2021	74.31	39.54	0.46	13.06	4.02	36.32	48.06		NE	
SE625	09/04/2021	75.13	32.75	2.57	13.06	8.99	73.02	43.82		ENE	
SE625	09/04/2021	76.78	24.39	3.53	13.05	9.72	88.4	37.67		E	
SE625	09/04/2021	77.22	23.03	3.14	13.05	6.35	78.32	36.59		ENE	
SE625	09/04/2021	77.29	22.69	2.95	13.04	7.31	70.76	36.27		ENE	
SE625	09/04/2021	77.58	22.47	2.64	13.04	6.5	70.48	36.28		ENE	
SE625	09/04/2021	77.6	21.95	2.89	13.04	6.13	58.11	35.7		ENE	
SE625	09/04/2021	77	22.42	2.74	13.03	7.81	81.7	35.73		E	
SE625	09/04/2021	77.19	21.4	2.75	13.03	6.35	50.74	34.72		NE	
SE625	09/04/2021	77.65	21.05	1.6	13.03	4.82	66.45	34.7		ENE	
SE625	09/04/2021	76.12	22.71	3.02	13.02	4.97	90.1	35.3		E	
SE625	09/04/2021	75.34	23.47	3	13.02	6.65	85.2	35.47		E	
SE625	09/04/2021	75.9	22.38	2.88	13.01	6.5	83.5	34.75		E	
SE625	09/04/2021	75.67	22.64	4.03	13.01	7.53	75.53	34.85		ENE	
SE625	09/04/2021	74.79	23.58	4.51	13.01	9.42	85.7	35.12		E	
SE625	09/04/2021	74.92	22.99	4.43	13	7.67	78.37	34.59		ENE	
SE625	09/04/2021	74.66	23.53	3.51	13	7.59	76.79	34.95		ENE	
SE625	09/04/2021	74.9	22.92	3.26	12.99	7.16	76.36	34.5		ENE	
SE625	09/04/2021	75.19	22.17	2.81	12.99	6.13	88	33.92		E	
SE625	09/04/2021	74.82	22.37	1.45	12.98	3.73	84.2	33.83		E	
SE625	09/04/2021	74.95	21.97	1.65	12.98	3.88	217.3	33.49		SW	
SE625	09/04/2021	74.4	22.79	1.27	12.98	3.07	286.5	33.93		WNW	
SE625	09/04/2021	73.81	23.27	1.3	12.97	4.1	121.1	33.95		ESE	
SE625	09/04/2021	73.94	23.13	2.02	12.97	5.85	76.18	33.91		ENE	
SE625	09/04/2021	73.56	23.25	0.6	12.96	3.07	55.75	33.72		NE	
SE625	09/04/2021	74.79	21.64	1.4	12.96	4.53	257.5	32.98		WSW	



SE625	09/04/2021	74.92	21.4	0.62	12.96	2.42	135	32.81	SE	
SE625	09/04/2021	74.4	21.93	1.23	12.95	2.77	102.4	32.98	ESE	
SE625	09/04/2021	74.43	21.88	1.06	12.95	2.27	225.2	32.95	SW	
SE625	09/04/2021	74.4	22.32	1.37	12.95	5.91	237.9	33.42	WSW	
SE625	09/04/2021	74.06	22.5	1.45	12.94	4.89	321.6	33.33	NW	
SE625	09/04/2021	73.96	22.54	1.83	12.94	3.95	41.16	33.29	NE	
SE625	09/04/2021	73.82	22.39	1.25	12.94	3.36	92.6	33	E	
SE625	09/04/2021	74.09	21.73	1.06	12.93	2.85	37.43	32.49	NE	
SE625	09/04/2021	74.12	21.64	1.14	12.93	3.43	155	32.41	SSE	
SE625	09/04/2021	73.8	22.09	1.45	12.93	3.29	102.4	32.65	ESE	
SE625	09/04/2021	73.22	22.74	0.93	12.92	2.55	318.2	32.88	NW	
SE625	09/04/2021	73.14	22.47	1.5	12.92	6.21	99.7	32.52	E	
SE625	09/04/2021	74.13	21.56	1.82	12.92	5.56	81.8	32.33	E	
SE625	09/04/2021	73.75	22.16	2.21	12.91	4.53	242.8	32.69	WSW	
SE625	09/04/2021	73.38	22.5	1.96	12.9	3.8	199.2	32.75	SSW	
SE625	09/04/2021	73.45	22.33	1.28	12.9	3.07	186.7	32.62	S	
SE625	09/04/2021	72.96	23.32	3.4	12.9	10.38	80	33.28	E	
SE625	09/04/2021	72.31	24.02	3.59	12.9	10.89	75.04	33.47	ENE	
SE625	09/04/2021	72.67	23.46	2.02	12.89	6.35	86.7	33.19	E	
SE625	09/04/2021	72.85	22.91	1.92	12.89	4.45	48.62	32.75	NE	
SE625	09/04/2021	73.45	22.59	2.57	12.88	8.48	85	32.91	E	
SE625	09/04/2021	72.91	23.09	1.13	12.88	3.8	23.61	32.99	NNE	
SE625	09/04/2021	73.43	22.46	1.51	12.87	3.8	314.6	32.75	NW	
SE625	09/04/2021	73.34	22.65	1.39	12.87	3.8	28.4	32.88	NNE	
SE625	09/04/2021	73.07	23.05	1.74	12.86	4.67	42.59	33.09	NE	
SE625	09/04/2021	72.96	22.91	1.93	12.86	4.53	56.77	32.84	ENE	
SE625	09/04/2021	72.85	23.23	1.62	12.85	4.6	63.49	33.09	ENE	
SE625	09/04/2021	72.59	23.56	1.59	12.85	4.89	52.1	33.22	NE	
SE625	09/04/2021	72.2	24.33	3.79	12.84	8.18	86.3	33.69	E	
SE625	09/04/2021	72.16	24.64	3.97	12.84	8.26	87.9	33.97	E	
SE625	09/04/2021	72.31	24.2	3.77	12.83	8.18	74.22	33.65	ENE	
SE625	09/04/2021	71.84	24.77	3.61	12.83	9.27	72.15	33.83	ENE	
SE625	09/04/2021	70.75	26.29	4.74	12.82	9.57	80.9	34.38	E	
SE625	09/04/2021	71.25	25.73	4.5	12.82	9.72	76.62	34.27	ENE	
SE625	09/04/2021	73.25	23.07	4.75	12.81	11.4	75.47	33.26	ENE	
SE625	09/04/2021	72.85	23.76	3.76	12.81	10.59	70.32	33.65	ENE	
SE625	09/04/2021	73	23.5	3.64	12.82	8.77	61.88	33.51	ENE	
SE625	09/04/2021	73.87	22.12	4.1	12.83	7.53	67.83	32.74	ENE	
SE625	09/04/2021	74.64	21.26	4.27	12.84	8.77	70.25	32.41	ENE	
SE625	09/04/2021	76.06	19.94	4.26	12.85	10.96	48.3	32.02	NE	
SE625	09/04/2021	76.41	19.7	2.73	12.87	5.99	45.4	32.01	NE	
SE625	09/04/2021	75.98	20.67	1.88	12.99	7.24	85.7	32.84	E	
SE625	09/04/2021	75.6	21.59	0.94	13.33	2.85	51.98	33.6	NE	
SE625	09/04/2021	75.62	22.93	2.02	13.48	5.11	83.9	35.12	E	
SE625	09/04/2021	76.5	21.64	1.42	13.56	5.85	30.51	34.42	NNE	
SE625	09/04/2021	76.24	21.86	0.93	13.58	2.34	4.45	34.45	N	
SE625	09/04/2021	76.87	23.84	0.76	13.57	2.55	77.54	37.16	ENE	
SE625	09/04/2021	76.86	24.27	0.56	13.55	2.27	18.82	37.61	NNE	
SE625	09/04/2021	77.65	23.38	0.4	13.54	2.19	15.89	37.34	NNE	
SE625	09/04/2021	77.84	23.39	1.2	13.53	3.73	90.9	37.51	E	
SE625	09/04/2021	77.94	23.19	0.19	13.52	1.39	306.7	37.38	NW	
SE625	09/04/2021	78.37	23.29	0.14	13.52	1.68	306.6	37.85	NW	
SE625	09/04/2021	79.07	23.67	0.18	13.52	1.17	313.5	38.86	NW	
SE625	09/04/2021	79.61	21.91	0.76	13.52	1.75	313.1	37.36	NW	
SE625	09/04/2021	79.62	21.21	0.89	13.52	1.83	321	36.54	NW	
SE625	09/04/2021	79.81	22.06	1.31	13.52	2.49	311.3	37.7	NW	
SE625	09/04/2021	80	22.51	1.44	13.52	3.36	287.5	38.37	WNW	
SE625	09/04/2021	79.77	23.13	1.77	13.51	3.65	258.8	38.87	W	
SE625	09/04/2021	80.5	22.27	1.23	13.52	2.42	273.5	38.52	W	79.3
SE625	09/04/2021	80.5	21.91	1.74	13.52	3.65	243.4	38.11	WSW	79.28
SE625	09/04/2021	81.6	20.74	1.67	13.52	3.14	257.1	37.64	WSW	79.63



SE625	09/04/2021	82.1	20.35	1.74	13.52	3.95	259.2	37.58	W	79.95
SE625	09/04/2021	81.8	19.78	2.24	13.51	5.04	271	36.62	W	79.72
SE625	09/04/2021	81.7	20.03	2.82	13.51	5.48	272.5	36.85	W	79.67
SE625	09/04/2021	82.1	20.44	2.57	13.51	5.91	260.4	37.69	W	79.95
SE625	09/04/2021	82.4	21.09	2.28	13.51	5.19	275.3	38.74	W	80.19
SE625	09/04/2021	82.9	21.62	2.31	13.51	4.1	274.5	39.79	W	80.56
SE625	09/04/2021	82.8	22.43	2.84	13.51	5.7	272	40.65	W	80.53
SE625	09/04/2021	83.5	22.75	2.54	13.51	6.28	276.8	41.61	W	81.05
SE625	09/04/2021	83.8	23.14	3	13.51	7.16	266.4	42.3	W	81.3
SE625	09/04/2021	84	23.63	3.21	13.51	7.53	271	43.01	W	81.48
SE625	09/04/2021	84.1	23.55	3.18	13.51	7.59	281.9	43.01	WNW	81.55
SE625	09/04/2021	84.6	23.56	3.53	13.51	7.89	271.7	43.45	W	81.94
SE625	09/04/2021	85.1	23.41	2.74	13.51	7.38	289.6	43.71	WNW	82.32
SE625	09/04/2021	85.5	23.37	2.51	13.51	6.72	274.9	44	W	82.64
SE625	09/04/2021	85.8	23.63	2.83	13.49	7.89	269.9	44.55	W	82.91
SE625	09/04/2021	86.5	23.63	2.27	13.47	6.5	290.5	45.14	WNW	83.5
SE625	09/04/2021	86.4	23.99	3.51	13.47	8.99	286.4	45.45	WNW	83.45
SE625	09/04/2021	87	23.88	2.49	13.47	5.78	263.2	45.84	W	83.96
SE625	09/04/2021	88	23.53	2.75	13.47	6.94	281.6	46.31	WNW	84.83
SE625	09/04/2021	87.9	24.04	3.59	13.48	8.4	282	46.79	WNW	84.8
SE625	09/04/2021	88.2	24.33	3.2	13.48	8.26	278.2	47.36	W	85.11
SE625	09/04/2021	88.3	24.51	2.32	13.48	5.7	291.9	47.64	WNW	85.23
SE625	09/04/2021	88.4	24.35	3.17	13.48	6.65	282	47.55	WNW	85.3
SE625	09/04/2021	89	24.26	2.82	13.38	7.74	265.9	47.97	W	85.87
SE625	09/04/2021	89.7	23.64	3.21	13.43	9.42	234.5	47.88	SW	86.48
SE625	09/04/2021	90.2	23.5	2.38	13.44	6.79	226.7	48.15	SW	86.96
SE625	09/04/2021	90.6	23.34	2.38	13.44	6.57	264.5	48.3	W	87.35
SE625	09/04/2021	90.2	23.58	2.96	13.44	7.53	252.9	48.24	WSW	86.97
SE625	09/04/2021	90.2	23.69	2.45	13.44	8.33	246.4	48.36	WSW	86.99
SE625	09/04/2021	90.3	23.31	2.99	13.36	8.18	220.9	48.02	SW	87.04
SE625	09/04/2021	90.5	23.75	2.92	13.32	7.09	247.9	48.68	WSW	87.31



# STATION: SE625  
 # STATION NAME: SCE Point Rd  
 # LATITUDE: 37.20143  
 # LONGITUDE: -119.25259  
 # ELEVATION [ft]: 5015  
 # STATE: CA

Station_ID	Date_Time	air_temp_1 Fahrenheit %	relative_hu Miles/hour	wind_spee volts	volt_set_1 Miles/hour	wind_gust Degrees	wind_dirac Fahrenheit	dew_point Fahrenheit	wind_chill Fahrenheit code	wind_card Fahrenheit	heat_index_set_1d Fahrenheit
SE625	08/21/2021	86.8	20.36	5.27	13.44	14.76	285.1	41.53	WNW		83.51
SE625	08/21/2021	87.1	19.99	4.74	13.44	13.44	278	41.31	W		83.74
SE625	08/21/2021	86.4	20.47	4.78	13.44	11.25	287.8	41.34	WNW		83.18
SE625	08/21/2021	86.3	21.12	4.28	13.44	14.47	281.2	42.06	W		83.14
SE625	08/21/2021	86.5	21.76	4.36	13.44	10.59	281.3	43	WNW		83.35
SE625	08/21/2021	86.5	20.94	3.69	13.44	11.84	281.7	42	WNW		83.3
SE625	08/22/2021	85.9	22.16	3.64	13.44	10.38	277	42.96	W		82.88
SE625	08/22/2021	85.4	22.75	3.22	13.44	9.64	279.9	43.22	W		82.52
SE625	08/22/2021	84.8	24.05	3.35	13.46	8.99	284.5	44.15	WNW		82.13
SE625	08/22/2021	84	25.1	2.88	13.48	8.77	280.7	44.58	W		81.58
SE625	08/22/2021	83.4	26.18	3.21	13.41	7.38	272	45.17	W		81.21
SE625	08/22/2021	83	26.33	3.05	13.43	8.18	274.2	44.97	W		80.92
SE625	08/22/2021	82.8	26.6	2.4	13.43	8.33	274	45.07	W		80.8
SE625	08/22/2021	82.2	28.15	2.13	13.36	7.09	267.2	46.04	W		80.48
SE625	08/22/2021	81.9	29.07	1.76	13.39	4.6	259.3	46.62	W		80.34
SE625	08/22/2021	81.9	29.47	1.21	13.39	3.43	198.7	46.99	SSW		80.37
SE625	08/22/2021	81.8	29.67	0.28	13.37	2.19	202	47.08	SSW		80.32
SE625	08/22/2021	81.6	29.85	0.51	13.28	2.27	293.8	47.06	WNW		80.2
SE625	08/22/2021	80.7	31.22	0.37	13.2	2.05	302.1	47.46	WNW		79.94
SE625	08/22/2021	80.1	31.77	0.24	13.15	0.96	102.7	47.4	ESE		79.3
SE625	08/22/2021	79.89	32	1.06	13.13	1.97	108.7	47.41	ESE		
SE625	08/22/2021	79.32	32.94	0.85	13.11	2.34	87.9	47.67	E		
SE625	08/22/2021	79.09	32.45	2.06	13.09	4.6	93.9	47.07	E		
SE625	08/22/2021	78.48	32.95	2.72	13.08	4.89	89.8	46.94	E		
SE625	08/22/2021	77.92	33.61	3.53	13.07	6.87	87.3	46.97	E		
SE625	08/22/2021	77.33	33.8	3.69	13.07	5.85	85.6	46.59	E		
SE625	08/22/2021	77.33	32.81	5.21	13.06	9.57	91.1	45.81	E		
SE625	08/22/2021	77.3	32.17	6.06	13.06	10.52	91.5	45.26	E		
SE625	08/22/2021	77	32.54	6.09	13.05	12.35	89.9	45.3	E		
SE625	08/22/2021	76.69	33.18	4.81	13.05	10.3	81	45.54	E		
SE625	08/22/2021	76.9	31.94	4.91	13.04	11.91	82	44.72	E		
SE625	08/22/2021	76.55	32.72	4.87	13.04	10.96	85	45.05	E		
SE625	08/22/2021	76.33	32.51	5.34	13.04	11.69	85	44.69	E		
SE625	08/22/2021	75.41	33.35	5.27	13.03	13.37	87.2	44.54	E		
SE625	08/22/2021	75.32	32.74	4.03	13.03	11.02	75.41	43.98	ENE		
SE625	08/22/2021	75.5	32.21	4.48	13.03	10.52	76.05	43.71	ENE		
SE625	08/22/2021	75.56	31.46	4.21	13.02	11.98	71.87	43.15	ENE		
SE625	08/22/2021	75.82	30.51	6.02	13.02	12.93	81.6	42.58	E		
SE625	08/22/2021	76.89	28.27	5.73	13.01	13.01	83.2	41.54	E		
SE625	08/22/2021	76.44	28.51	5.65	13.01	11.4	81.2	41.37	E		
SE625	08/22/2021	76.47	27.69	6.23	13.01	14.32	81.7	40.64	E		
SE625	08/22/2021	76.42	27.37	4.5	13	9.94	81.1	40.3	E		
SE625	08/22/2021	74.31	29.68	4.32	13	9.21	80.5	40.55	E		
SE625	08/22/2021	73.75	29.89	3.93	12.99	8.04	76.51	40.24	ENE		
SE625	08/22/2021	73.29	29.8	4.26	12.99	9.42	81.3	39.76	E		
SE625	08/22/2021	73.27	29.08	3.51	12.99	8.99	74.19	39.11	ENE		
SE625	08/22/2021	73.59	28.58	3.33	12.98	6.72	70.78	38.95	ENE		
SE625	08/22/2021	73.24	28.31	4.02	12.98	8.91	73.19	38.4	ENE		
SE625	08/22/2021	73.14	27.93	4.05	12.97	8.77	77.52	37.97	ENE		
SE625	08/22/2021	73.17	27.71	3.79	12.97	9.13	78.86	37.8	E		
SE625	08/22/2021	73.16	26.86	3.64	12.97	8.91	71.48	37	ENE		
SE625	08/22/2021	73.12	26.5	3.67	12.96	8.91	76.34	36.62	ENE		
SE625	08/22/2021	72.95	27.01	4.13	12.96	8.4	78.8	36.96	E		



SE625	08/22/2021	72.74	26.64	4.43	12.95	8.11	81.8	36.43	E	
SE625	08/22/2021	73.01	25.73	3.77	12.95	8.11	67.17	35.79	ENE	
SE625	08/22/2021	73.13	25.42	3.12	12.95	10.45	64.85	35.58	ENE	
SE625	08/22/2021	72.93	24.81	3.41	12.94	7.38	74.48	34.8	ENE	
SE625	08/22/2021	73.36	23.59	4.11	12.94	9.06	73.01	33.91	ENE	
SE625	08/22/2021	73.13	24.03	3.45	12.94	7.67	72.73	34.18	ENE	
SE625	08/22/2021	72.82	23.97	3.88	12.93	9.13	67.76	33.85	ENE	
SE625	08/22/2021	72.39	24.39	3.4	12.93	9.42	62.39	33.91	ENE	
SE625	08/22/2021	73.29	23.03	3.25	12.93	8.84	53.72	33.25	NE	
SE625	08/22/2021	72.46	24.05	3.15	12.92	7.59	58.9	33.62	ENE	
SE625	08/22/2021	71.9	24.98	3.58	12.92	7.74	71.44	34.09	ENE	
SE625	08/22/2021	72.22	23.88	4.08	12.91	10.67	65.55	33.24	ENE	
SE625	08/22/2021	72.45	23.81	3.48	12.91	9.21	70.18	33.37	ENE	
SE625	08/22/2021	71.78	24.66	4.46	12.91	9.13	71.23	33.67	ENE	
SE625	08/22/2021	72.84	22.75	4.66	12.9	9.72	71.03	32.57	ENE	
SE625	08/22/2021	72.53	23.54	4.08	12.9	8.18	86	33.15	E	
SE625	08/22/2021	72.25	23.68	3.17	12.89	6.72	68.04	33.06	ENE	
SE625	08/22/2021	72.42	23.35	4.18	12.89	7.67	85.4	32.86	E	
SE625	08/22/2021	72.7	22.96	3.68	12.89	8.55	59.52	32.68	ENE	
SE625	08/22/2021	73.05	22.04	3.27	12.88	5.63	63.01	31.96	ENE	
SE625	08/22/2021	72.71	22.76	3.28	12.88	7.96	65.28	32.47	ENE	
SE625	08/22/2021	71.89	23.87	3.96	12.87	8.48	83	32.95	E	
SE625	08/22/2021	71.58	23.66	4.1	12.87	8.77	82.4	32.47	E	
SE625	08/22/2021	72.22	22.69	4.03	12.86	7.24	68.81	31.98	ENE	
SE625	08/22/2021	73.08	21.62	4.04	12.86	8.99	56.45	31.51	ENE	
SE625	08/22/2021	71.75	23.31	4.2	12.85	9.42	76.68	32.24	ENE	
SE625	08/22/2021	72.02	22.21	4.76	12.85	9.79	65.55	31.28	ENE	
SE625	08/22/2021	72.4	21.8	4.41	12.84	9.27	56.15	31.14	NE	
SE625	08/22/2021	72.76	21.34	3.29	12.84	9.42	40.88	30.92	NE	
SE625	08/22/2021	72.06	22.1	4.35	12.83	8.91	58.55	31.19	ENE	
SE625	08/22/2021	71.73	22.38	3.44	12.83	7.74	65.89	31.22	ENE	
SE625	08/22/2021	71.65	22.22	4.68	12.82	10.16	66.43	30.98	ENE	
SE625	08/22/2021	71.55	22.62	3.72	12.82	9.42	73.84	31.33	ENE	
SE625	08/22/2021	71.98	22.01	4.14	12.81	9.86	69.16	31.02	ENE	
SE625	08/22/2021	71.03	22.94	4.3	12.81	8.33	77.93	31.24	ENE	
SE625	08/22/2021	71.4	22.32	4.37	12.82	8.84	70.98	30.88	ENE	
SE625	08/22/2021	72.32	20.85	2.73	12.84	7.09	77.28	29.98	ENE	
SE625	08/22/2021	71.89	21.69	2.93	12.88	6.94	75.78	30.59	ENE	
SE625	08/22/2021	72.38	21.18	3.11	12.92	10.3	53.36	30.42	NE	
SE625	08/22/2021	72.36	21.35	4.06	12.96	8.99	60.86	30.6	ENE	
SE625	08/22/2021	71.91	22.49	3.65	13.01	7.67	74.95	31.5	ENE	
SE625	08/22/2021	72.92	21.56	3.27	13.18	8.91	64.24	31.31	ENE	
SE625	08/22/2021	74.48	20.22	4.21	13.37	11.98	63.9	31.04	ENE	
SE625	08/22/2021	76.11	19.47	3.3	13.48	10.23	56.24	31.48	NE	
SE625	08/22/2021	75.89	19.97	2.83	13.54	8.84	26.77	31.92	NNE	
SE625	08/22/2021	75.66	20.77	1.12	13.6	3.07	296.4	32.69	WNW	
SE625	08/22/2021	75.11	22.1	0.63	13.59	2.55	274.9	33.77	W	
SE625	08/22/2021	75.84	22.25	1.47	13.56	4.45	242.9	34.56	WSW	
SE625	08/22/2021	76.12	22.33	0.96	13.55	2.12	306.4	34.88	NW	
SE625	08/22/2021	76.35	21.64	0.81	13.55	2.12	305.5	34.29	NW	
SE625	08/22/2021	77.52	20.85	0.52	13.53	1.46	335.9	34.35	NNW	
SE625	08/22/2021	78.68	20.66	0.19	13.53	1.53	326.9	35.1	NNW	
SE625	08/22/2021	79.67	21.02	0.94	13.52	3.36	248.5	36.36	WSW	
SE625	08/22/2021	80.4	19.92	1.53	13.52	2.85	289.5	35.62	WNW	79.08
SE625	08/22/2021	79.99	19.62	1.46	13.51	2.64	311.4	34.9	NW	
SE625	08/22/2021	80.4	19.03	1.67	13.51	2.99	310.6	34.48	NW	79.03
SE625	08/22/2021	80.7	19.63	1.69	13.51	3.14	296.5	35.51	WNW	79.39
SE625	08/22/2021	81.4	19.28	1.81	13.51	4.1	268.2	35.64	W	79.43
SE625	08/22/2021	81.7	19.83	1.38	13.51	3.29	297.1	36.6	WNW	79.66
SE625	08/22/2021	82.1	19.9	0.96	13.51	2.55	248.8	37.02	WSW	79.93
SE625	08/22/2021	83.8	18.93	1.17	13.51	3.43	269.2	37.18	W	81.09



SE625	08/22/2021	84.5	18.78	1.65	13.51	4.17	293.1	37.56	WNW	81.6
SE625	08/22/2021	85	18.34	1.34	13.51	4.89	293.1	37.37	WNW	81.97
SE625	08/22/2021	86	17.42	2.21	13.51	5.91	280.2	36.9	W	82.71
SE625	08/22/2021	85.6	17.38	3.44	13.51	5.56	253.4	36.52	WSW	82.4
SE625	08/22/2021	85.7	17.23	3.11	13.51	6.13	251.7	36.38	WSW	82.47
SE625	08/22/2021	86.5	16.63	3.21	13.51	7.24	263.7	36.15	W	83.09
SE625	08/22/2021	87.3	16.01	2.96	13.49	7.24	269.5	35.85	W	83.72
SE625	08/22/2021	87.7	15.57	3.44	13.47	7.96	262.8	35.48	W	84.04
SE625	08/22/2021	88	15.58	3.88	13.47	8.69	260.8	35.74	W	84.29
SE625	08/22/2021	88.7	15.33	3.46	13.47	9.94	266.5	35.91	W	84.87
SE625	08/22/2021	88.8	14.35	3.57	13.47	10.08	259.1	34.35	W	84.92
SE625	08/22/2021	89.3	12.44	4	13.47	9.79	245.2	31.23	WSW	85.2
SE625	08/22/2021	89.3	13.56	4.45	13.47	11.69	258.9	33.35	W	85.33
SE625	08/22/2021	88.1	17.36	5.49	13.48	13.81	266	38.54	W	84.44
SE625	08/22/2021	88.2	16.66	4.48	13.48	13.01	265.1	37.59	W	84.49
SE625	08/22/2021	88.2	16.65	4.17	13.48	11.62	263.5	37.57	W	84.49
SE625	08/22/2021	88.1	17.85	4.25	13.48	11.02	270.6	39.25	W	84.47
SE625	08/22/2021	88.4	16.17	3.43	13.48	12.13	263.5	37	W	84.64
SE625	08/22/2021	88.9	13.46	4.64	13.48	10.45	268.7	32.84	W	84.99
SE625	08/22/2021	88.8	13.18	4.37	13.45	10.74	267.3	32.25	W	84.9
SE625	08/22/2021	88.7	12.92	4.58	13.44	11.62	272.2	31.68	W	84.8
SE625	08/22/2021	88.5	14.4	4.67	13.44	11.91	275.9	34.19	W	84.67
SE625	08/22/2021	87.9	17.45	4.93	13.44	11.54	269.2	38.51	W	84.27
SE625	08/22/2021	87.6	17.27	5.09	13.44	10.3	265.4	38	W	84.01
SE625	08/22/2021	87.3	20.47	5.26	13.44	12.13	268.8	42.09	W	83.94
SE625	08/22/2021	87.2	21.76	4.32	13.44	11.54	266.5	43.59	W	83.95
SE625	08/22/2021	86.2	24.16	4.71	13.44	10.96	266.8	45.47	W	83.29
SE625	08/22/2021	86.8	22.4	4.06	13.44	8.99	275.2	44	W	83.66
SE625	08/22/2021	86.7	22.49	4.45	13.44	11.1	276.4	44.02	W	83.58
SE625	08/22/2021	85.9	24.76	3.74	13.44	12.57	278	45.85	W	83.09
SE625	08/22/2021	85.3	25.96	4.22	13.44	10.23	276.1	46.58	W	82.69
SE625	08/22/2021	86	26.09	2.85	13.44	8.99	270.2	47.32	W	83.3
SE625	08/22/2021	86.1	25.44	3.75	13.44	10.45	269.6	46.74	W	83.32
SE625	08/22/2021	85.4	24.58	3.67	13.44	8.4	262.7	45.23	W	82.66
SE625	08/22/2021	85.5	24.87	3.5	13.44	9.5	265.1	45.63	W	82.76
SE625	08/22/2021	85.3	25.56	3.96	13.44	8.99	258.3	46.17	WSW	82.66
SE625	08/23/2021	85.3	25.73	3.59	13.44	8.11	260.1	46.35	W	82.67
SE625	08/23/2021	85.3	27.64	2.82	13.44	8.18	262.3	48.24	W	82.86
SE625	08/23/2021	85.7	27.68	2.82	13.44	7.31	261.3	48.63	W	83.21
SE625	08/23/2021	84.8	28.5	3.61	13.44	8.62	265.1	48.62	W	82.52
SE625	08/23/2021	83.5	33.45	2.98	13.44	8.11	263.3	51.78	W	81.96
SE625	08/23/2021	82.6	35.75	2.31	13.34	7.74	249.2	52.78	WSW	81.47
SE625	08/23/2021	82.7	36.25	2.83	13.38	6.43	228.7	53.25	SW	81.61
SE625	08/23/2021	81.9	37.17	2.59	13.44	5.91	228.6	53.22	SW	81.07
SE625	08/23/2021	82.2	37.13	1.43	13.44	3.73	237	53.45	WSW	81.3
SE625	08/23/2021	81.9	37.14	2.1	13.45	5.11	250.4	53.19	WSW	81.06
SE625	08/23/2021	81.5	37.88	1.75	13.34	4.53	268.9	53.37	W	80.83
SE625	08/23/2021	81	38.62	2	13.29	4.6	277.3	53.45	W	80.52
SE625	08/23/2021	80.5	39.38	1.81	13.35	4.67	277.8	53.53	W	80.23
SE625	08/23/2021	80.2	40.01	1.9	13.26	4.23	274.6	53.69	W	79.8
SE625	08/23/2021	79.57	40.82	1.84	13.17	4.45	259.1	53.67	W	
SE625	08/23/2021	78.91	41.72	1.39	13.13	4.1	240.8	53.67	WSW	
SE625	08/23/2021	78.53	42.26	0.79	13.1	2.7	212.7	53.68	SSW	
SE625	08/23/2021	78.35	42.53	0.33	13.09	2.05	214.1	53.69	SW	
SE625	08/23/2021	78.02	43.14	0.07	13.08	1.17	137.3	53.78	SE	
SE625	08/23/2021	77.63	43.64	0.16	13.07	1.31	242.1	53.74	WSW	
SE625	08/23/2021	77.25	44.21	1.12	13.07	2.77	237.9	53.75	WSW	
SE625	08/23/2021	76.82	44.81	1.06	13.06	2.99	221.2	53.72	SW	
SE625	08/23/2021	76.42	45.49	0.25	13.06	1.75	189.8	53.77	S	
SE625	08/23/2021	75.88	46.27	0	13.05	0		53.74		
SE625	08/23/2021	75.43	46.68	0.85	13.05	2.12	37.99	53.57	NE	



SE625	08/23/2021	75.44	45.7	1.2	13.04	2.27	69.72	53	ENE
SE625	08/23/2021	75.66	42.24	1.11	13.04	2.55	81.7	51.06	E
SE625	08/23/2021	75.8	38.16	1.66	13.04	3.95	85.4	48.46	E
SE625	08/23/2021	75.43	36.16	2.02	13.03	3.95	100.3	46.69	E
SE625	08/23/2021	75.02	33.18	2.91	13.03	4.97	86.4	44.06	E
SE625	08/23/2021	74.73	34.83	1.82	13.02	5.19	54.61	45.08	NE
SE625	08/23/2021	75.13	36.9	1.08	13.02	4.17	56.99	46.96	ENE
SE625	08/23/2021	75.75	32.35	2.31	13.02	7.31	115.4	44.04	ESE
SE625	08/23/2021	75.52	31.39	2.13	13.01	6.5	72.11	43.06	ENE
SE625	08/23/2021	75.37	30.86	0.63	13.01	3.21	145.2	42.48	SE
SE625	08/23/2021	75.16	29.82	1.5	13	4.6	120.7	41.41	ESE
SE625	08/23/2021	75.25	30.18	2.53	13	5.26	82.7	41.8	E
SE625	08/23/2021	75.06	28.04	2.77	13	6.13	108.5	39.74	ESE
SE625	08/23/2021	74.38	29.25	2.24	12.99	4.23	81.6	40.23	E
SE625	08/23/2021	73.61	28.55	2.81	12.99	5.85	97.5	38.94	E
SE625	08/23/2021	73.43	28.12	3.54	12.98	6.5	91.8	38.4	E
SE625	08/23/2021	73.66	27.31	3.32	12.98	9.34	91.9	37.85	E
SE625	08/23/2021	73.36	27.62	2.93	12.98	5.19	82.9	37.88	E
SE625	08/23/2021	72.86	28.13	3.53	12.97	6.43	92	37.91	E
SE625	08/23/2021	72.85	28.26	3.82	12.97	9.72	82.1	38.02	E
SE625	08/23/2021	73.03	28.07	4.43	12.96	10.16	82.3	38	E
SE625	08/23/2021	73.31	27.91	4.85	12.96	9.5	86.6	38.1	E
SE625	08/23/2021	72.56	28.83	4.48	12.96	7.38	88.4	38.28	E
SE625	08/23/2021	72.04	29.34	4.71	12.95	8.84	89.8	38.27	E
SE625	08/23/2021	72.16	28.89	4.52	12.95	9.5	92	37.98	E
SE625	08/23/2021	72.36	28.72	4.4	12.94	7.46	90.2	38	E
SE625	08/23/2021	72.42	28.71	3.37	12.94	7.46	82.9	38.05	E
SE625	08/23/2021	72.68	28.55	3.64	12.94	7.81	84.5	38.13	E
SE625	08/23/2021	72.19	29.56	2.8	12.93	5.04	83.5	38.59	E
SE625	08/23/2021	71.87	29.98	4.26	12.93	8.11	95.1	38.67	E
SE625	08/23/2021	71.69	29.64	4.46	12.93	7.74	91.9	38.22	E
SE625	08/23/2021	72.04	29.3	2.37	12.92	5.26	57.57	38.24	ENE
SE625	08/23/2021	72.47	28.81	1.88	12.92	6.72	51.76	38.18	NE
SE625	08/23/2021	71.79	29.77	2.72	12.92	6.87	89.1	38.42	E
SE625	08/23/2021	71.26	30.5	2.12	12.91	5.85	74.85	38.58	ENE
SE625	08/23/2021	71.18	30.82	3.54	12.91	6.28	81.5	38.77	E
SE625	08/23/2021	71.03	31.04	4.8	12.9	9.5	93.8	38.82	E
SE625	08/23/2021	71.76	30.23	4.33	12.9	9.57	87.6	38.79	E
SE625	08/23/2021	71.41	31.02	5.06	12.9	9.94	92.5	39.14	E
SE625	08/23/2021	70.7	31.67	5.03	12.89	11.4	93.6	39.05	E
SE625	08/23/2021	70.55	31.73	5.2	12.89	8.26	92.8	38.96	E
SE625	08/23/2021	71.31	31.43	5.16	12.88	11.4	93.3	39.39	E
SE625	08/23/2021	70.97	31.97	4.93	12.88	9.27	96.6	39.53	E
SE625	08/23/2021	70.79	32.1	5.99	12.87	10.01	98.1	39.47	E
SE625	08/23/2021	70.53	32.69	4.68	12.87	7.74	95.9	39.71	E
SE625	08/23/2021	70.09	33.35	3.95	12.86	9.42	88.7	39.84	E
SE625	08/23/2021	69.95	33.29	2.99	12.86	6.06	88.7	39.67	E
SE625	08/23/2021	69.9	33.38	2.92	12.85	6.79	85.5	39.69	E
SE625	08/23/2021	69.65	33.4	4.08	12.85	7.74	92.3	39.49	E
SE625	08/23/2021	69.62	33.42	2.77	12.84	6.79	86.8	39.47	E
SE625	08/23/2021	69.69	33.56	2.89	12.84	6.13	95.5	39.64	E
SE625	08/23/2021	69.39	34.04	3.73	12.83	7.53	91.5	39.74	E
SE625	08/23/2021	69.42	34.1	3.71	12.83	6.72	102.9	39.81	ESE
SE625	08/23/2021	69.73	34.09	3.35	12.82	6.35	97.2	40.08	E
SE625	08/23/2021	69.09	34.65	3.19	12.82	5.91	93.6	39.93	E
SE625	08/23/2021	69.35	34.75	2.69	12.81	7.89	94.7	40.24	E
SE625	08/23/2021	69.32	34.96	2.45	12.81	4.82	99.5	40.37	E
SE625	08/23/2021	69.15	35.52	2.6	12.82	4.82	100.5	40.63	E
SE625	08/23/2021	68.26	36.22	3.77	12.83	7.38	83.9	40.34	E
SE625	08/23/2021	68.34	36.63	2.89	12.84	4.82	89.4	40.7	E
SE625	08/23/2021	68.24	36.8	3.18	12.85	5.78	89.5	40.73	E



SE625	08/23/2021	68.8	36.86	2.53	12.87	4.1	85.5	41.27	E	
SE625	08/23/2021	69.19	36.52	3.4	12.88	8.04	91.8	41.38	E	
SE625	08/23/2021	70.08	35.83	1.76	13	4.97	97.2	41.68	E	
SE625	08/23/2021	70.04	36.47	3.02	13.17	5.56	93.1	42.1	E	
SE625	08/23/2021	70.77	35.74	2.95	13.35	4.75	101.6	42.23	ESE	
SE625	08/23/2021	71.1	35.77	1.86	13.49	4.82	83	42.54	E	
SE625	08/23/2021	72.1	35.09	1.09	13.57	2.55	102.8	42.94	ESE	
SE625	08/23/2021	73.11	33.83	0.99	13.6	3.07	85.9	42.88	E	
SE625	08/23/2021	73.72	33.53	0.84	13.61	2.12	1.63	43.19	N	
SE625	08/23/2021	73.19	33.87	0.44	13.6	2.49	313.5	42.98	NW	
SE625	08/23/2021	73.43	32.65	1.61	13.59	3.14	292.5	42.24	WNW	
SE625	08/23/2021	73.08	32.69	1.14	13.58	2.55	297.1	41.96	WNW	
SE625	08/23/2021	73.45	33.64	0.93	13.57	2.77	244.2	43.03	WSW	
SE625	08/23/2021	73.95	32.78	1.11	13.56	3.51	223.7	42.8	SW	
SE625	08/23/2021	74.3	32.58	1.73	13.56	3.73	231.9	42.95	SW	
SE625	08/23/2021	75.38	31.57	0.56	13.56	2.05	266.5	43.08	W	
SE625	08/23/2021	76.16	30.05	0.82	13.56	2.27	302.5	42.48	WNW	
SE625	08/23/2021	76.93	30.54	1.67	13.56	3.95	242.5	43.58	WSW	
SE625	08/23/2021	77.39	30.58	1.58	13.55	3.95	274.3	44.01	W	
SE625	08/23/2021	77.13	30.05	2.58	13.54	5.19	266.5	43.33	W	
SE625	08/23/2021	77.57	30.09	2.35	13.53	4.75	275.3	43.75	W	
SE625	08/23/2021	78	29.38	2.53	13.53	5.11	267.9	43.5	W	
SE625	08/23/2021	78.68	28.38	1.81	13.53	4.23	270.3	43.19	W	
SE625	08/23/2021	79.14	28.18	2.58	13.53	6.06	277.1	43.41	W	
SE625	08/23/2021	79.15	28.19		13.53	6.65	275.8	43.43	W	
SE625	08/23/2021	79.74	28.86	3.3	13.54	7.24	267.4	44.55	W	
SE625	08/23/2021	79.87	29.35	3.37	13.54	7.53	273.8	45.11	W	
SE625	08/23/2021	80.5	29.78	3.33	13.54	6.57	270.9	46.04	W	79.65
SE625	08/23/2021	80.2	30.84	4.23	13.54	7.31	257.3	46.7	WSW	79.37
SE625	08/23/2021	80.3	30.19	4.55	13.54	9.72	268.5	46.23	W	79.45
SE625	08/23/2021	80.9	29.68	3.28	13.54	9.06	266.7	46.3	W	79.72
SE625	08/23/2021	81.4	29.81	3.25	13.54	7.96	250	46.85	WSW	80.06
SE625	08/23/2021	80.9	29.98	4.46	13.54	11.4	250.4	46.57	WSW	79.74
SE625	08/23/2021	81.4	29.45	4.03	13.54	9.5	251.7	46.53	WSW	80.03
SE625	08/23/2021	81.7	29.63	4.3	13.52	9.86	253.6	46.95	WSW	80.25
SE625	08/23/2021	81.7	31.02	3.38	13.51	8.26	264.7	48.17	W	80.36
SE625	08/23/2021	82.2	30.93	2.2	13.51	8.04	248.5	48.53	WSW	80.7
SE625	08/23/2021	83	31.7	3.11	13.51	8.62	235.7	49.89	SW	81.38
SE625	08/23/2021	81.7	33.47	4.04	13.51	9.57	251.4	50.2	WSW	80.56
SE625	08/23/2021	81.4	33.99	3.68	13.51	8.69	215.8	50.35	SW	80.39
SE625	08/23/2021	82.3	33.25	2.59	13.51	7.38	230.9	50.56	SW	80.99
SE625	08/23/2021	82.4	33.02	3.92	13.51	11.1	265.8	50.46	W	81.04
SE625	08/23/2021	81.7	34.1	3.76	13.51	9.64	255.2	50.7	WSW	80.62
SE625	08/23/2021	81.8	35.17	4.04	13.51	13.23	262.3	51.63	W	80.79
SE625	08/23/2021	81.7	35.51	3.44	13.51	10.16	270.6	51.8	W	80.75
SE625	08/23/2021	81.8	35.54	3.95	13.51	9.79	240	51.91	WSW	80.83
SE625	08/23/2021	82.5	34.94	2.91	13.51	9.34	268.6	52.07	W	81.31
SE625	08/23/2021	80.6	36.99	4.28	13.51	12.57	260.5	51.92	W	80.09
SE625	08/23/2021	78.45	39.33	3.99	13.5	8.99	257.3	51.65	WSW	
SE625	08/23/2021	77.75	40.14	3.54	13.51	9.94	267.9	51.57	W	
SE625	08/23/2021	77.47	40.44	2.32	13.54	6.13	275.5	51.52	W	
SE625	08/23/2021	78.1	39.71	2.07	13.54	10.08	247.8	51.6	WSW	
SE625	08/23/2021	77.4	40.15	2.76	13.54	7.46	214	51.26	SW	
SE625	08/23/2021	76.8	40.63	2.37	13.51	5.7	219.6	51.04	SW	
SE625	08/23/2021	76.55	40.99	2.15	13.53	5.91	211.7	51.05	SSW	
SE625	08/23/2021	76.51	41.13	2.58	13.58	6.35	238.8	51.11	WSW	
SE625	08/23/2021	76.01	41.84	2.66	13.58	5.99	240.5	51.12	WSW	
SE625	08/23/2021	76.36	41.55	2.07	13.58	5.85	243.1	51.25	WSW	
SE625	08/24/2021	76.08	42.01	1.53	13.47	5.04	272.4	51.29	W	
SE625	08/24/2021	75.81	42.59	1.27	13.47	3.14	280.7	51.42	W	
SE625	08/24/2021	75.9	42.64	1.68	13.48	5.19	283.1	51.53	WNW	



SE625	08/24/2021	75.54	42.99	2.42	13.49	4.89	271.9	51.43	W
SE625	08/24/2021	75.6	43.04	1.61	13.44	4.02	239.8	51.51	WSW
SE625	08/24/2021	75.61	43.13	1.72	13.44	3.95	247.8	51.58	WSW
SE625	08/24/2021	76.13	42.67	1.32	13.46	4.23	251.7	51.76	WSW
SE625	08/24/2021	76.25	42.72	0.63	13.53	1.9	305.8	51.9	NW
SE625	08/24/2021	75.57	43.54	1.17	13.44	2.99	303.2	51.8	WNW
SE625	08/24/2021	75.11	44.23	1.08	13.37	2.05	321.4	51.8	NW
SE625	08/24/2021	74.94	44.63	0.47	13.28	2.05	319.3	51.89	NW
SE625	08/24/2021	75.01	44.36	1.66	13.27	2.77	229.9	51.79	SW
SE625	08/24/2021	74.84	44.69	0.34	13.22	3.21	265.9	51.84	W
SE625	08/24/2021	74.32	46.01	0.51	13.17	3.14	21.18	52.15	NNE
SE625	08/24/2021	74.17	46.13	1.94	13.13	3.14	108.7	52.09	ESE
SE625	08/24/2021	74.06	46.54	1.57	13.1	2.92	236.2	52.23	SW
SE625	08/24/2021	72.68	48.62	1.47	13.09	3.29	271.7	52.15	W
SE625	08/24/2021	72.15	49.35	0.41	13.08	1.24	271.2	52.06	W
SE625	08/24/2021	72.28	49.36	0.38	13.07	2.05	144.8	52.19	SE
SE625	08/24/2021	72.37	49.19	0.93	13.07	2.49	237.4	52.18	WSW
SE625	08/24/2021	71.87	50.31	0.56	13.06	1.97	254.1	52.33	WSW
SE625	08/24/2021	71.62	50.95	2.16	13.06	4.38	89.1	52.44	E
SE625	08/24/2021	71.76	51.27	1.72	13.05	4.45	103.5	52.74	ESE
SE625	08/24/2021	72.41	50.12	0.49	13.05	1.83	350.3	52.72	N
SE625	08/24/2021	72.8	49.25	1	13.04	2.19	189.3	52.61	S
SE625	08/24/2021	73.34	48.18	0	13.04	0.22		52.51	
SE625	08/24/2021	73.47	48.12	1.49	13.04	3.88	256.6	52.59	WSW
SE625	08/24/2021	72.05	50.22	0.76	13.03	2.12	288.7	52.45	WNW
SE625	08/24/2021	71.77	50.91	1.51	13.03	3.58	259	52.56	W
SE625	08/24/2021	71.24	51.62	1.01	13.03	2.42	34.05	52.44	NE
SE625	08/24/2021	71.27	51.3	0.37	13.02	1.53	124.5	52.3	SE
SE625	08/24/2021	71.75	50.38	0.81	13.02	2.34	258	52.25	WSW
SE625	08/24/2021	71.59	50.77	1.21	13.01	2.19	115.2	52.32	ESE
SE625	08/24/2021	71.55	50.96	2.17	13.01	3.21	87.6	52.38	E
SE625	08/24/2021	71.72	50.9	2.31	13.01	3.73	91.9	52.51	E
SE625	08/24/2021	72.35	48.34	2.6	13	4.6	85.9	51.69	E
SE625	08/24/2021	72.62	47.05	3.26	13	6.65	86.9	51.2	E
SE625	08/24/2021	73.55	45.31	2.59	12.99	5.41	103	51.03	ESE
SE625	08/24/2021	73.13	46.08	2.19	12.99	3.8	95.5	51.1	E
SE625	08/24/2021	72.59	47.15	1.84	12.99	3.43	103.2	51.23	ESE
SE625	08/24/2021	72.57	47.28	0.92	12.99	2.64	230.1	51.29	SW
SE625	08/24/2021	72.26	47.35	1.76	12.98	3.43	102.1	51.04	ESE
SE625	08/24/2021	72.06	48.23	2.24	12.98	4.32	73.61	51.36	ENE
SE625	08/24/2021	72.62	46.84	2.59	12.97	5.04	70.57	51.08	ENE
SE625	08/24/2021	72.75	46	2.13	12.97	7.59	62.55	50.71	ENE
SE625	08/24/2021	72.91	46.03	1.76	12.97	4.82	260.7	50.87	W
SE625	08/24/2021	72.63	47.02	0.94	12.97	4.1	113.5	51.19	ESE
SE625	08/24/2021	72.3	47.62	1.35	12.96	3.36	81.9	51.23	E
SE625	08/24/2021	72.36	47.03	1.02	12.96	2.55	43	50.95	NE
SE625	08/24/2021	71.77	48.43	1.15	12.95	4.23	257.5	51.2	WSW
SE625	08/24/2021	71.74	48.5	2.67	12.95	5.04	56.89	51.21	ENE
SE625	08/24/2021	71.76	47.92	3	12.95	6.13	76.4	50.9	ENE
SE625	08/24/2021	71.99	47.98	3.06	12.95	6.35	87.2	51.15	E
SE625	08/24/2021	71.88	48.28	2.32	12.94	4.75	107.1	51.22	ESE
SE625	08/24/2021	72.35	47.08	1.77	12.94	4.75	54.92	50.97	NE
SE625	08/24/2021	71.74	48.84	1.06	12.93	2.27	293.7	51.4	WNW
SE625	08/24/2021	71.77	48.3	0.17	12.93	1.17	285.6	51.13	WNW
SE625	08/24/2021	71.25	49.54	0.34	12.93	1.46	292.8	51.34	WNW
SE625	08/24/2021	70.91	50.5	1.28	12.92	3.14	102.1	51.54	ESE
SE625	08/24/2021	70.82	49.54	3.38	12.92	6.28	79.76	50.94	E
SE625	08/24/2021	71.15	48.55	4.45	12.92	9.13	80.3	50.7	E
SE625	08/24/2021	71.43	47.81	4.26	12.91	7.74	76.13	50.54	ENE
SE625	08/24/2021	71.95	46.18	2.65	12.91	6.13	89.7	50.08	E
SE625	08/24/2021	72.06	46.22	1.78	12.9	3.51	82.2	50.2	E



SE625	08/24/2021	71.86	46.86	2.27	12.9	3.8	87.6	50.39	E	
SE625	08/24/2021	72.24	46.56	2.23	12.9	4.89	63.64	50.57	ENE	
SE625	08/24/2021	72.02	46.61	1.52	12.89	3.36	91.5	50.39	E	
SE625	08/24/2021	71.55	48.2	0.29	12.89	1.68	348	50.87	NNW	
SE625	08/24/2021	70.67	50.8	2	12.88	3.51	237.1	51.48	WSW	
SE625	08/24/2021	70.02	52.76	0.26	12.88	1.61	217.1	51.91	SW	
SE625	08/24/2021	69.87	53.01	1.23	12.87	2.77	193.2	51.89	SSW	
SE625	08/24/2021	69.82	53.38	1.15	12.87	1.9	233.7	52.04	SW	
SE625	08/24/2021	69.74	53.26	0.51	12.86	1.68	210.2	51.9	SSW	
SE625	08/24/2021	69.74	53.02	0.52	12.85	1.97	249.8	51.78	WSW	
SE625	08/24/2021	69.48	53.41	1.31	12.85	2.92	85.8	51.74	E	
SE625	08/24/2021	69.42	52.98	1.57	12.84	3.07	74.88	51.46	ENE	
SE625	08/24/2021	69.48	50.53	1.99	12.84	3.73	82	50.23	E	
SE625	08/24/2021	69.61	49.99	2.4	12.83	6.35	71.86	50.06	ENE	
SE625	08/24/2021	69.84	48.86	2.95	12.82	6.06	79.41	49.66	E	
SE625	08/24/2021	69.92	48.61	3.44	12.82	7.16	84.3	49.6	E	
SE625	08/24/2021	70.14	48.22	3.45	12.81	7.67	84.6	49.58	E	
SE625	08/24/2021	70.26	48.38	4.13	12.81	11.02	77.4	49.78	ENE	
SE625	08/24/2021	70.09	48.74	3.41	12.81	7.31	74.71	49.82	ENE	
SE625	08/24/2021	70.09	49.2	1.86	12.81	4.75	73.01	50.08	ENE	
SE625	08/24/2021	70.11	49.2	2.42	12.83	5.56	89.7	50.1	E	
SE625	08/24/2021	69.96	49.58	2.91	12.85	6.06	64.89	50.16	ENE	
SE625	08/24/2021	70.28	48.87	3	12.87	6.87	67.86	50.07	ENE	
SE625	08/24/2021	70.56	48.19	1.04	12.9	4.53	4.83	49.95	N	
SE625	08/24/2021	70.21	49.49	0.68	12.98	2.27	98.9	50.35	E	
SE625	08/24/2021	70.29	49.51	0.67	13.13	2.27	240.9	50.43	WSW	
SE625	08/24/2021	70.33	50.13	2.25	13.32	5.19	106.9	50.81	ESE	
SE625	08/24/2021	71.22	48.99	0.38	13.46	2.34	106.1	51	ESE	
SE625	08/24/2021	71.54	49.02	0.71	13.56	2.92	106.1	51.32	ESE	
SE625	08/24/2021	72	48.89	0.79	13.6	2.49	144.2	51.67	SE	
SE625	08/24/2021	71.85	47.86	0.38	13.61	1.46	284.9	50.95	WNW	
SE625	08/24/2021	72.53	47.16	0.46	13.6	2.77	250	51.18	WSW	
SE625	08/24/2021	73.39	46.26	0.84	13.58	2.7	169.4	51.45	S	
SE625	08/24/2021	74.25	45.63	0.6	13.58	2.64	14.65	51.86	NNE	
SE625	08/24/2021	75.03	44.92	0.48	13.56	2.55	67.1	52.15	ENE	
SE625	08/24/2021	75.62	43.93	0.39	13.56	3.07	54.86	52.09	NE	
SE625	08/24/2021	76.78	41.57	0.87	13.56	3.51	221.4	51.64	SW	
SE625	08/24/2021	76.37	42.1	1.4	13.56	3.88	219.3	51.61	SW	
SE625	08/24/2021	76.19	43.21	1.4	13.54	3.95	267.7	52.16	W	
SE625	08/24/2021	76.46	42.68	1.92	13.54	4.82	274.6	52.07	W	
SE625	08/24/2021	76.5	42.65	2.07	13.54	4.38	267.4	52.08	W	
SE625	08/24/2021	76.25	43.75	2.51	13.54	4.97	274.9	52.55	W	
SE625	08/24/2021	76.27	43.83	2.66	13.55	4.53	261.2	52.62	W	
SE625	08/24/2021	77.16	41.5	2.15	13.54	5.85	266.9	51.94	W	
SE625	08/24/2021	77.49	40.98	2.21	13.54	5.41	283	51.9	WNW	
SE625	08/24/2021	78.17	40.36	1.83	13.54	4.97	293.2	52.1	WNW	
SE625	08/24/2021	79.07	39.62	2.55	13.54	6.13	272.4	52.41	W	
SE625	08/24/2021	79.15	40.13	2.97	13.54	5.7	277.7	52.83	W	
SE625	08/24/2021	79.59	40.22	2.68	13.54	6.57	272.2	53.29	W	
SE625	08/24/2021	80.7	39.18	2.53	13.54	6.65	279	53.57	W	80.35
SE625	08/24/2021	80.9	38.43	3.23	13.54	8.69	266.2	53.23	W	80.43
SE625	08/24/2021	81.5	36.47	3.49	13.54	9.06	270.5	52.34	W	80.69
SE625	08/24/2021	82.8	31.75	4.02	13.52	11.1	277.6	49.76	W	81.23
SE625	08/24/2021	83	30.02	5.24	13.51	14.69	268.2	48.44	W	81.22
SE625	08/24/2021	82.4	32.27	5.68	13.51	12.57	278.1	49.84	W	80.97
SE625	08/24/2021	82.6	32.58	5	13.51	13.23	251	50.27	WSW	81.15
SE625	08/24/2021	83.7	32.55	3.21	13.51	10.38	273.1	51.22	W	82.03
SE625	08/24/2021	83.4	32.22	5.63	13.51	12.93	271.8	50.68	W	81.75
SE625	08/24/2021	84.7	29.86	4.79	13.51	11.33	264.3	49.78	W	82.58
SE625	08/24/2021	84.2	29.44	6.16	13.51	15.2	269.5	48.97	W	82.11
SE625	08/24/2021	84	30.85	5.93	13.51	13.59	274.2	50.04	W	82.09



SE625	08/24/2021	85	28.86	4.57	13.51	13.59	284.9	49.13	WNW	82.73
SE625	08/24/2021	84.6	29.75	5.65	13.51	16.07	270.4	49.59	W	82.48
SE625	08/24/2021	84.7	29.78	5.64	13.51	15.49	267.2	49.71	W	82.57
SE625	08/24/2021	84.7	30.97	6.4	13.51	15.27	268.5	50.76	W	82.7
SE625	08/24/2021	84.4	31.15	5.56	13.51	13.81	283.4	50.65	WNW	82.46
SE625	08/24/2021	85.1	29.54	4.72	13.51	12.57	275.5	49.84	W	82.89
SE625	08/24/2021	84.4	31.02	5.74	13.51	12.7	279.1	50.54	W	82.45
SE625	08/24/2021	84.7	31.8	5.95	13.49	14.1	275	51.47	W	82.8
SE625	08/24/2021	84.9	32.64	5.08	13.47	12.78	279.2	52.35	W	83.09
SE625	08/24/2021	84.3	33.07	5.83	13.47	15.27	282.8	52.18	WNW	82.6
SE625	08/24/2021	84.9	32.4	4.57	13.47	13.08	277.5	52.15	W	83.06
SE625	08/24/2021	84.6	32.23	5.82	13.48	17.98	276.7	51.75	W	82.77
SE625	08/24/2021	84.6	31.33	4.71	13.48	11.98	287.3	50.98	WNW	82.66
SE625	08/24/2021	84.7	31.11	5.03	13.48	11.1	276	50.88	W	82.72
SE625	08/24/2021	84.6	30.64	3.96	13.48	12.93	290.6	50.38	WNW	82.58
SE625	08/24/2021	84.2	32.03	5.39	13.48	15.71	290	51.23	WNW	82.39
SE625	08/24/2021	83.9	32.96	4.89	13.48	12.93	279.4	51.73	W	82.24
SE625	08/24/2021	84.8	31.15	3.96	13.48	12.06	285.2	51	WNW	82.81
SE625	08/24/2021	84.3	31.39	4.06	13.48	8.84	288.1	50.77	WNW	82.41
SE625	08/25/2021	84.6	29.78	4.22	13.48	12.86	277.5	49.62	W	82.48
SE625	08/25/2021	84.4	29.69	3.52	13.48	7.67	286.2	49.37	WNW	82.31
SE625	08/25/2021	84	30.58	4.38	13.48	14.17	285.8	49.81	WNW	82.07
SE625	08/25/2021	83.8	30.42	3.65	13.48	9.21	291.2	49.49	WNW	81.89
SE625	08/25/2021	83.7	30.35	4.14	13.48	12.06	286.7	49.34	WNW	81.8
SE625	08/25/2021	83.1	31	3.38	13.48	10.52	286.2	49.38	WNW	81.39
SE625	08/25/2021	83.1	30.82	3.3	13.47	6.28	286	49.23	WNW	81.37
SE625	08/25/2021	82.5	31.46	3.26	13.47	10.45	287.2	49.25	WNW	80.97
SE625	08/25/2021	81.8	32.07	2.87	13.35	7.81	293.4	49.15	WNW	80.51
SE625	08/25/2021	81.3	32.47	3.11	13.33	9.5	279.5	49.04	W	80.2
SE625	08/25/2021	80.7	33.03	3.12	13.38	10.38	283.3	48.96	WNW	79.84
SE625	08/25/2021	80.2	33.53	2.76	13.32	9.13	284.4	48.92	WNW	79.5
SE625	08/25/2021	79.61	33.88	2.22	13.24	5.7	291.9	48.68	WNW	
SE625	08/25/2021	79.2	34.13	1.66	13.18	4.17	290.4	48.51	WNW	
SE625	08/25/2021	78.79	34.45	1.16	13.15	3.14	292.4	48.4	WNW	
SE625	08/25/2021	78.19	34.94	0.66	13.12	2.19	291.8	48.24	WNW	
SE625	08/25/2021	77.67	35.57	0.47	13.1	1.61	262.8	48.25	W	
SE625	08/25/2021	77.47	36.43	0.74	13.09	3.73	45.55	48.71	NE	
SE625	08/25/2021	76.58	38.86	2.4	13.08	4.97	83.8	49.64	E	
SE625	08/25/2021	75.5	40.32	3.51	13.08	5.56	94.8	49.66	E	
SE625	08/25/2021	75.51	39.36	3.75	13.07	6.72	93.6	49.02	E	
SE625	08/25/2021	75.41	38.64	1.97	13.07	4.97	93.1	48.44	E	
SE625	08/25/2021	75.38	38.2	2.07	13.06	4.17	78.56	48.11	ENE	
SE625	08/25/2021	75.5	37.6	3.81	13.06	9.42	92.8	47.79	E	
SE625	08/25/2021	75.17	37.79	5.26	13.05	11.18	89	47.63	E	
SE625	08/25/2021	74.93	37.52	5.75	13.05	11.84	85.3	47.22	E	
SE625	08/25/2021	74.75	37.16	5.81	13.04	10.01	87.1	46.81	E	
SE625	08/25/2021	74.61	36.92	5.8	13.04	9.94	85.2	46.51	E	
SE625	08/25/2021	74.58	36.4	4.95	13.04	8.4	86.1	46.11	E	
SE625	08/25/2021	74.27	36.69	4.64	13.03	8.99	88.5	46.04	E	
SE625	08/25/2021	74.26	36.29	3.45	13.03	6.87	96.7	45.74	E	
SE625	08/25/2021	73.85	37.37	3.18	13.02	5.63	97.4	46.15	E	
SE625	08/25/2021	73.46	38.85	4.27	13.02	7.53	90.1	46.83	E	
SE625	08/25/2021	72.88	40.22	3.36	13.02	8.18	87.9	47.23	E	
SE625	08/25/2021	73.02	39.81	2.58	13.01	6.28	64.52	47.08	ENE	
SE625	08/25/2021	72.5	40.12	2.75	13.01	6.72	91.1	46.82	E	
SE625	08/25/2021	72.17	40.71	2.69	13	5.34	76.43	46.91	ENE	
SE625	08/25/2021	72.38	41.08	4.18	13	6.79	88.4	47.34	E	
SE625	08/25/2021	72.89	40.38	3.96	13	10.01	78.52	47.34	ENE	
SE625	08/25/2021	72.86	40.86	3.5	12.99	7.59	77.91	47.63	ENE	
SE625	08/25/2021	72	42.04	3.65	12.99	8.11	80.9	47.61	E	
SE625	08/25/2021	72.42	40.97	2.29	12.98	4.75	83.8	47.3	E	



SE625	08/25/2021	72.24	41.49	1.93	12.98	5.85	74.37	47.48	ENE
SE625	08/25/2021	71.66	42.72	4.53	12.98	7.53	91.5	47.73	E
SE625	08/25/2021	71.56	42.7	5.09	12.97	9.86	87.5	47.62	E
SE625	08/25/2021	71.13	43.53	4.05	12.97	10.23	85.3	47.75	E
SE625	08/25/2021	70.72	43.88	4.7	12.96	8.55	92.5	47.59	E
SE625	08/25/2021	70.25	44.43	4.05	12.96	6.65	96.2	47.49	E
SE625	08/25/2021	70.16	45.11	4.17	12.96	7.16	92.9	47.81	E
SE625	08/25/2021	70.26	45.11	4.58	12.95	8.84	82.6	47.9	E
SE625	08/25/2021	70.54	44.97	4.73	12.95	7.81	88.4	48.08	E
SE625	08/25/2021	70.4	45.2	6.02	12.95	10.96	94.6	48.08	E
SE625	08/25/2021	69.73	45.95	5.12	12.94	9.27	90.6	47.91	E
SE625	08/25/2021	69.3	46.75	4.75	12.94	8.62	89.3	47.98	E
SE625	08/25/2021	69.12	46.95	4.59	12.93	8.84	81	47.93	E
SE625	08/25/2021	69.41	46.92	4.88	12.93	9.64	82.6	48.18	E
SE625	08/25/2021	68.91	47.49	4.95	12.93	9.13	85.9	48.04	E
SE625	08/25/2021	68.99	47.11	4.67	12.92	10.08	87.8	47.9	E
SE625	08/25/2021	69.24	46.72	5.51	12.92	12.28	82.9	47.91	E
SE625	08/25/2021	69.8	45.78	5.18	12.92	10.74	76.34	47.88	ENE
SE625	08/25/2021	70.12	44.58	3.8	12.91	8.84	65.61	47.46	ENE
SE625	08/25/2021	69.29	46.16	4.43	12.91	8.55	89.2	47.63	E
SE625	08/25/2021	68.32	47.78	5.25	12.9	10.59	95.8	47.66	E
SE625	08/25/2021	68.7	47.57	4.94	12.9	9.72	91.6	47.89	E
SE625	08/25/2021	68.61	47.38	4.85	12.89	8.26	90.1	47.7	E
SE625	08/25/2021	68.3	47.52	4.56	12.89	9.79	88.4	47.49	E
SE625	08/25/2021	67.77	48.05	3.81	12.89	7.01	79.99	47.3	E
SE625	08/25/2021	67.67	48.17	3.5	12.88	7.09	85	47.28	E
SE625	08/25/2021	67.63	48.34	3.91	12.88	7.09	90.2	47.33	E
SE625	08/25/2021	67.81	48.04	4.34	12.87	7.81	86.6	47.33	E
SE625	08/25/2021	67.69	47.26	4.67	12.87	7.31	93	46.79	E
SE625	08/25/2021	67.55	47.35	4.3	12.86	6.94	99.1	46.71	E
SE625	08/25/2021	67.94	46.94	3.5	12.86	7.74	98.1	46.84	E
SE625	08/25/2021	67.81	46.84	3.32	12.85	6.65	93.6	46.66	E
SE625	08/25/2021	67.45	47.16	3.68	12.84	6.94	95.5	46.51	E
SE625	08/25/2021	67.19	47.44	4.34	12.84	7.74	87	46.43	E
SE625	08/25/2021	67.51	46.78	4.44	12.83	9.21	81.8	46.35	E
SE625	08/25/2021	67.36	46.41	4.7	12.83	8.33	86.5	46	E
SE625	08/25/2021	66.63	46.33	4.7	12.82	8.99	91.8	45.29	E
SE625	08/25/2021	67.41	45.88	4.53	12.82	8.55	86.5	45.74	E
SE625	08/25/2021	67.64	45.13	3.37	12.81	6.5	81.5	45.52	E
SE625	08/25/2021	67.42	45.1	2.93	12.81	7.46	90.1	45.3	E
SE625	08/25/2021	66.67	46.11	4.68	12.81	8.04	94.1	45.2	E
SE625	08/25/2021	66.69	46.46	3.56	12.81	6.87	84.8	45.42	E
SE625	08/25/2021	66.39	46.79	3.4	12.83	6.65	68.07	45.33	ENE
SE625	08/25/2021	66.33	47.16	3.93	12.85	7.59	87	45.48	E
SE625	08/25/2021	66.33	47.1	4.08	12.87	7.59	92.9	45.45	E
SE625	08/25/2021	66.52	46.76	4.58	12.89	7.59	87	45.43	E
SE625	08/25/2021	67.1	45.9	4.58	13.06	10.08	83.6	45.47	E
SE625	08/25/2021	67.66	45.73	5.68	13.35	11.98	91.3	45.89	E
SE625	08/25/2021	69.24	43.36	5.18	13.54	8.77	95.6	45.92	E
SE625	08/25/2021	70.29	43.02	2.38	13.62	5.99	56.74	46.67	ENE
SE625	08/25/2021	71.29	41.7	1.17	13.64	2.64	308	46.75	NW
SE625	08/25/2021	70.21	45.08	1.77	13.62	3.65	181.9	47.84	S
SE625	08/25/2021	72.14	43.39	1.78	13.6	4.23	83.7	48.58	E
SE625	08/25/2021	72.47	43.11	1.11	13.59	3.43	139.3	48.71	SE
SE625	08/25/2021	72.62	43.17	1.42	13.58	2.92	221.6	48.88	SW
SE625	08/25/2021	71.25	44.99	2.28	13.57	3.51	257.5	48.74	WSW
SE625	08/25/2021	71.5	44.61	2.09	13.57	4.17	266	48.74	W
SE625	08/25/2021	72.13	43.76	1.84	13.57	3.88	252.8	48.8	WSW
SE625	08/25/2021	73.01	41.24	1.3	13.57	3.29	288	48.01	WNW
SE625	08/25/2021	73.08	41.33	1.08	13.57	2.92	308.8	48.13	NW
SE625	08/25/2021	73.6	41.3	1.39	13.57	4.1	297.1	48.58	WNW



SE625	08/25/2021	74.25	41.05	1.14	13.57	2.77	290.7	49.01	WNW	
SE625	08/25/2021	74.95	40.69	1.29	13.57	2.7	316.5	49.41	NW	
SE625	08/25/2021	75.48	40.98	1.49	13.57	3.88	309.5	50.08	NW	
SE625	08/25/2021	77.14	39.42	1.13	13.56	4.45	280.4	50.53	W	
SE625	08/25/2021	76.68	40.01	2.47	13.55	5.19	277	50.52	W	
SE625	08/25/2021	76.93	39.54	3.52	13.54	7.96	263.9	50.42	W	
SE625	08/25/2021	76.92	39.92	3.03	13.54	7.38	271.7	50.67	W	
SE625	08/25/2021	76.99	40.04	3.25	13.54	7.53	260.6	50.82	W	
SE625	08/25/2021	77.76	38.86	3.14	13.57	7.24	265.9	50.7	W	
SE625	08/25/2021	78.83	37.36	2.67	13.58	8.4	284.3	50.6	WNW	
SE625	08/25/2021	78.82	37.35	3.56	13.56	9.34	282.2	50.59	WNW	
SE625	08/25/2021	79.34	35.76	3.46	13.54	10.08	262.5	49.88	W	
SE625	08/25/2021	80.3	35.57	3.29	13.54	10.45	278.5	50.6	W	79.7
SE625	08/25/2021	80.3	35.21	3.19	13.54	8.26	286	50.32	WNW	79.68
SE625	08/25/2021	80.9	34.24	3.64	13.54	11.91	279.6	50.1	W	80.07
SE625	08/25/2021	81.2	32.3	4.79	13.54	15.93	286.2	48.81	WNW	80.12
SE625	08/25/2021	81	29.34	6.25	13.54	14.61	264.1	46.08	W	79.76
SE625	08/25/2021	82.1	28.04	4.29	13.54	13.37	219.9	45.85	SW	80.41
SE625	08/25/2021	82.4	24.11	6.39	13.54	13.59	211	42.17	SSW	80.35
SE625	08/25/2021	82.6	23.35	5.12	13.54	13.96	178.8	41.51	S	80.44
SE625	08/25/2021	82.6	32.49	4.21	13.54	9.94	278.1	50.2	W	81.14
SE625	08/25/2021	82.3	30.28	5.2	13.54	13.59	274.1	48.05	W	80.72
SE625	08/25/2021	82.1	29.28	5.42	13.52	13.37	282.4	46.99	WNW	80.5
SE625	08/25/2021	82.1	32.35	4.96	13.51	12.7	285.3	49.64	WNW	80.75
SE625	08/25/2021	82.4	30.29	5.32	13.51	12.28	295.3	48.15	WNW	80.8
SE625	08/25/2021	81.9	32.66	5.53	13.51	11.54	288.5	49.72	WNW	80.64
SE625	08/25/2021	82.1	33.44	5.11	13.51	14.53	277.5	50.53	W	80.85
SE625	08/25/2021	82.4	33.73	5.4	13.51	14.69	284.5	51.03	WNW	81.11
SE625	08/25/2021	82.5	34.3	4.38	13.51	13.15	277.7	51.57	W	81.24
SE625	08/25/2021	82.2	35.47	5.75	13.51	12.49	272.9	52.21	W	81.13
SE625	08/25/2021	82.4	35.35	5.33	13.51	13.37	276.7	52.3	W	81.27
SE625	08/25/2021	82.9	35.55	5.41	13.51	14.47	267.7	52.9	W	81.7
SE625	08/25/2021	82.9	36.16	4.48	13.51	12.13	281.7	53.36	WNW	81.77
SE625	08/25/2021	82.4	37.28	5.45	13.51	16.38	274.4	53.74	W	81.48
SE625	08/25/2021	81.7	38.26	6.1	13.51	15.12	277.1	53.82	W	81.02
SE625	08/25/2021	81.6	38.99	5.85	13.51	15.05	286.2	54.25	WNW	81.02
SE625	08/25/2021	81.4	39.77	5	13.51	15.49	283.4	54.61	WNW	80.94
SE625	08/25/2021	81.3	39.3	5.1	13.51	14.32	284.3	54.2	WNW	80.81
SE625	08/25/2021	81.4	38.36	4.81	13.51	10.96	291.1	53.63	WNW	80.8
SE625	08/25/2021	81.4	38.2	5	13.51	13.96	290.4	53.51	WNW	80.78
SE625	08/25/2021	81.3	37.58	4.89	13.51	12.93	291.2	52.98	WNW	80.65
SE625	08/26/2021	81.8	37.5	4.12	13.51	11.62	286.3	53.37	WNW	81.02
SE625	08/26/2021	81.7	36.34	3.64	13.51	9.94	283.3	52.42	WNW	80.83
SE625	08/26/2021	81.4	37.34	4.87	13.41	11.33	287.7	52.89	WNW	80.7
SE625	08/26/2021	80.6	37.96	4.6	13.46	10.89	294.5	52.62	WNW	80.17
SE625	08/26/2021	80.8	37.89	4.7	13.51	11.84	290.3	52.75	WNW	80.31
SE625	08/26/2021	80.4	38.68	3.76	13.51	9.57	288	52.95	WNW	79.96
SE625	08/26/2021	79.81	39.13	4.46	13.51	11.18	296.3	52.74	WNW	
SE625	08/26/2021	79.56	39.22	3.56	13.47	8.48	287.9	52.57	WNW	
SE625	08/26/2021	78.85	40.25	3.87	13.43	8.4	295.8	52.64	WNW	
SE625	08/26/2021	78.79	40.3	3.41	13.39	7.96	286.3	52.62	WNW	
SE625	08/26/2021	78.27	40.82	2.78	13.31	6.21	293.1	52.5	WNW	
SE625	08/26/2021	77.67	41.59	2.31	13.22	6.13	297.8	52.46	WNW	
SE625	08/26/2021	77.31	41.85	2.57	13.2	6.94	289.4	52.3	WNW	
SE625	08/26/2021	76.81	42.33	1.88	13.17	8.26	284.8	52.16	WNW	
SE625	08/26/2021	76.18	43.27	1.84	13.14	6.43	279.5	52.18	W	
SE625	08/26/2021	75.24	44.63	1.35	13.12	5.78	288.2	52.17	WNW	
SE625	08/26/2021	74.64	45.41	1.11	13.1	5.48	281.6	52.09	WNW	
SE625	08/26/2021	74.12	46.43	0.64	13.09	2.92	346.8	52.22	NNW	
SE625	08/26/2021	73.73	47.25	0.37	13.08	1.39	64.18	52.34	ENE	
SE625	08/26/2021	73.63	47.63	0.77	13.08	2.27	63.79	52.46	ENE	



SE625	08/26/2021	72.85	48.92	2.78	13.07	5.56	82.6	52.47	E
SE625	08/26/2021	71.93	50.21	3.54	13.07	8.55	89.4	52.33	E
SE625	08/26/2021	71.89	49.93	4.56	13.06	9.42	94.5	52.14	E
SE625	08/26/2021	72.13	48.72	4.65	13.06	9.72	92.5	51.69	E
SE625	08/26/2021	72.03	47.4	4.64	13.05	7.81	94.4	50.86	E
SE625	08/26/2021	72.02	46.69	4.04	13.05	8.18	88.8	50.44	E
SE625	08/26/2021	71.77	46.29	4.75	13.04	7.74	88.7	49.98	E
SE625	08/26/2021	71.87	46.09	4.14	13.04	7.01	89	49.95	E
SE625	08/26/2021	70.99	47.96	4.36	13.03	7.01	95.2	50.22	E
SE625	08/26/2021	71.57	45.99	4.4	13.03	9.21	88.3	49.62	E
SE625	08/26/2021	71.04	46.54	4.83	13.03	8.4	88	49.45	E
SE625	08/26/2021	70.57	46.26	4.8	13.02	8.84	91.4	48.86	E
SE625	08/26/2021	69.49	46.53	4.58	13.02	7.16	91.2	48.03	E
SE625	08/26/2021	69.19	45.43	4.25	13.01	8.77	84.4	47.11	E
SE625	08/26/2021	68.96	44.29	4.21	13.01	6.79	91.2	46.23	E
SE625	08/26/2021	69.24	42.06	3.49	13.01	7.31	83.5	45.12	E
SE625	08/26/2021	68.93	41.37	3.2	13	6.79	83.3	44.4	E
SE625	08/26/2021	69.39	39.13	3.05	13	7.16	76.97	43.36	ENE
SE625	08/26/2021	68.95	39.24	3.67	12.99	6.43	83.8	43.03	E
SE625	08/26/2021	68.57	37.95	4.9	12.99	9.72	90	41.82	E
SE625	08/26/2021	68.68	36.87	3.88	12.98	6.43	85.2	41.17	E
SE625	08/26/2021	69.01	35.26	3.87	12.98	8.18	76.89	40.31	ENE
SE625	08/26/2021	69.18	34.45	2.98	12.98	6.87	72.54	39.86	ENE
SE625	08/26/2021	68.98	33.85	3.2	12.97	8.55	59.44	39.24	ENE
SE625	08/26/2021	68.81	34.03	3.98	12.97	8.99	73.85	39.22	ENE
SE625	08/26/2021	68.68	33.68	4.02	12.96	8.62	77.78	38.84	ENE
SE625	08/26/2021	67.69	34.73	3.08	12.96	8.33	74.4	38.75	ENE
SE625	08/26/2021	67.43	34.87	3.91	12.96	8.84	76.77	38.62	ENE
SE625	08/26/2021	67.68	34.09	4.25	12.95	9.21	79.53	38.26	E
SE625	08/26/2021	68.51	31.77	5.16	12.95	11.76	78.26	37.2	ENE
SE625	08/26/2021	68.52	31.63	3.79	12.95	8.11	72.66	37.1	ENE
SE625	08/26/2021	68.37	31.11	3.71	12.94	7.67	65.36	36.55	ENE
SE625	08/26/2021	68.2	31.48	4.07	12.94	8.4	73.31	36.7	ENE
SE625	08/26/2021	68.88	30.19	5.01	12.94	10.96	72.2	36.23	ENE
SE625	08/26/2021	68.47	30.73	4.51	12.93	11.4	77.28	36.32	ENE
SE625	08/26/2021	68.19	31.11	4.58	12.93	10.89	71.33	36.39	ENE
SE625	08/26/2021	68.67	29.95	4.38	12.92	9.64	69.39	35.85	ENE
SE625	08/26/2021	69.01	29.97	4.17	12.92	9.86	76.2	36.16	ENE
SE625	08/26/2021	67.66	32.02	3.49	12.92	8.33	71.28	36.65	ENE
SE625	08/26/2021	66.97	32.72	3.44	12.91	7.01	73.72	36.59	ENE
SE625	08/26/2021	66.57	33.27	3.99	12.91	7.67	73.8	36.66	ENE
SE625	08/26/2021	66.84	32.83	3.99	12.91	8.99	74.12	36.56	ENE
SE625	08/26/2021	66.63	33.21	3.53	12.9	7.38	65.96	36.67	ENE
SE625	08/26/2021	66.24	33.98	3.52	12.9	7.16	69.03	36.9	ENE
SE625	08/26/2021	65.79	34.66	3.58	12.89	8.55	80.7	37.01	E
SE625	08/26/2021	65.96	34.37	3.75	12.89	8.04	78.34	36.95	ENE
SE625	08/26/2021	65.71	34.59	3.75	12.88	8.91	78.89	36.89	E
SE625	08/26/2021	65.6	34.74	4.34	12.88	10.81	75.09	36.9	ENE
SE625	08/26/2021	65.52	35.01	4.81	12.87	11.18	85.8	37.02	E
SE625	08/26/2021	65.55	34.83	4.67	12.87	9.5	79.35	36.92	E
SE625	08/26/2021	65.67	34.37	5.06	12.86	9.5	83.6	36.69	E
SE625	08/26/2021	66.39	32.77	3.96	12.86	9.57	67.05	36.12	ENE
SE625	08/26/2021	66.38	32.55	3.84	12.85	8.33	63.15	35.94	ENE
SE625	08/26/2021	66.36	32.5	4.05	12.84	9.94	52.43	35.88	NE
SE625	08/26/2021	66.34	32.73	3.83	12.84	8.99	59.92	36.04	ENE
SE625	08/26/2021	67.12	31.4	3.89	12.83	9.34	56.3	35.68	ENE
SE625	08/26/2021	67.08	31.57	3.64	12.83	7.24	82.7	35.78	E
SE625	08/26/2021	66.66	32.4	4.22	12.82	8.91	69.57	36.07	ENE
SE625	08/26/2021	66.55	32.69	3.59	12.82	8.99	62.85	36.2	ENE
SE625	08/26/2021	66.01	33.59	4.38	12.81	9.5	75.93	36.41	ENE
SE625	08/26/2021	65.22	35.01	4.19	12.8	9.13	74.52	36.76	ENE



SE625	08/26/2021	65	35.1	4.38	12.8	9.34	72.1	36.63	ENE
SE625	08/26/2021	65.59	33.66	4.3	12.8	8.77	72.48	36.09	ENE
SE625	08/26/2021	65.61	33.75	4.65	12.8	11.47	72.51	36.17	ENE
SE625	08/26/2021	65.84	33.36	4.18	12.81	10.16	65.81	36.08	ENE
SE625	08/26/2021	65.87	33.82	3.87	12.82	14.25	69.5	36.46	ENE
SE625	08/26/2021	65.63	34.32	3.3	12.82	7.38	63.43	36.62	ENE
SE625	08/26/2021	66	33.78	2.87	12.84	5.48	75.55	36.54	ENE
SE625	08/26/2021	66.14	34.13	1.81	13.03	5.11	60.34	36.93	ENE
SE625	08/26/2021	66.94	33.95	0.98	13.38	3.14	31.33	37.5	NNE
SE625	08/26/2021	67.6	34.69	1.01	13.57	3.88	85.2	38.64	E
SE625	08/26/2021	67.53	34.46	0.75	13.63	3.58	22.36	38.41	NNE
SE625	08/26/2021	68.44	34.29	0.59	13.64	2.7	70.53	39.09	ENE
SE625	08/26/2021	68.71	33.83	0.06	13.63	0.81	318.4	38.98	NW
SE625	08/26/2021	68.87	34.01	0.66	13.6	1.9	294.2	39.26	WNW
SE625	08/26/2021	69.19	33.98	0.16	13.59	1.61	262.9	39.52	W
SE625	08/26/2021	69.69	33.12	0.49	13.58	1.97	306.9	39.3	NW
SE625	08/26/2021	70	32.81	0.29	13.57	1.39	355.7	39.34	N
SE625	08/26/2021	70.19	33.07	1.32	13.57	2.12	328.8	39.71	NNW
SE625	08/26/2021	71.19	31.8	1.01	13.57	1.9	276.5	39.58	W
SE625	08/26/2021	72.16	32.08	1.07	13.57	2.64	273.7	40.66	W
SE625	08/26/2021	72.34	32.77	1.74	13.57	5.56	270.4	41.37	W
SE625	08/26/2021	72.27	40.05	2.07	13.57	5.91	272.5	46.56	W
SE625	08/26/2021	72.39	39.59	2.78	13.58	6.94	264.2	46.37	W
SE625	08/26/2021	72.81	38.34	2.43	13.58	5.7	274.3	45.89	W
SE625	08/26/2021	73.6	35.92	2.29	13.57	5.7	261.7	44.88	W
SE625	08/26/2021	74.06	35.68	2.75	13.57	7.46	268.2	45.12	W
SE625	08/26/2021	74.26	36.85	3.19	13.57	8.4	273	46.15	W
SE625	08/26/2021	74.64	39.12	3.33	13.58	7.89	266.3	48.08	W
SE625	08/26/2021	74.92	39.82	2.8	13.57	7.24	278.6	48.8	W
SE625	08/26/2021	75.23	39.38	3.87	13.57	8.48	265.4	48.78	W
SE625	08/26/2021	75.6	38.58	3.29	13.58	8.69	270.9	48.57	W
SE625	08/26/2021	75.6	38.9	3.97	13.58	11.02	265	48.79	W
SE625	08/26/2021	76.08	38.1	4.37	13.58	10.81	267.7	48.66	W
SE625	08/26/2021	76.14	38.41	4.11	13.58	12.57	269.1	48.94	W
SE625	08/26/2021	76.23	38.12	4.78	13.58	9.72	256.1	48.81	WSW
SE625	08/26/2021	76.56	38.31	4.33	13.58	10.59	261.3	49.24	W
SE625	08/26/2021	76.26	39.71	4.64	13.58	12.13	260.4	49.94	W
SE625	08/26/2021	76.68	40.17	5.23	13.58	10.67	262.3	50.63	W
SE625	08/26/2021	77.46	40.15	4.38	13.58	11.54	269.2	51.32	W
SE625	08/26/2021	77.33	40.75	4.56	13.58	10.52	268.5	51.6	W
SE625	08/26/2021	77.35	41.96	5.13	13.58	11.98	265.5	52.41	W
SE625	08/26/2021	77.53	42.18	4.89	13.58	12.06	261.1	52.72	W
SE625	08/26/2021	77.36	42.88	5.23	13.56	12.2	257.7	53.01	WSW
SE625	08/26/2021	77.53	42.77	4.8	13.54	11.25	265.7	53.1	W
SE625	08/26/2021	77.72	42.52	5.96	13.54	13.52	264.2	53.11	W
SE625	08/26/2021	77.92	42.65	5	13.54	12.06	270.5	53.37	W
SE625	08/26/2021	78.26	42.58	4.45	13.54	13.96	271.6	53.64	W
SE625	08/26/2021	78.57	42.05	4.66	13.54	12.13	274.2	53.58	W
SE625	08/26/2021	78.39	42.43	4.98	13.54	13.37	272.8	53.66	W
SE625	08/26/2021	78.56	42.51	5.25	13.54	12.78	262.4	53.87	W
SE625	08/26/2021	79.14	42.09	4.74	13.54	13.01	270.2	54.12	W
SE625	08/26/2021	79.3	42.15	3.5	13.54	9.64	273.8	54.31	W
SE625	08/26/2021	79.81	41.64	4.32	13.54	12.2	272.3	54.43	W
SE625	08/26/2021	79.36	42.45	5.03	13.52	13.96	270.1	54.55	W
SE625	08/26/2021	78.67	43.24	4.67	13.51	11.98	273.7	54.43	W
SE625	08/26/2021	78.82	43.06	4.73	13.51	10.81	272.2	54.45	W
SE625	08/26/2021	78.97	42.85	4.89	13.51	11.69	269.3	54.46	W
SE625	08/26/2021	78.65	43.73	4.67	13.51	12.42	275	54.72	W
SE625	08/26/2021	79.12	43.59	4.29	13.51	10.52	277.1	55.06	W
SE625	08/26/2021	78.59	43.99	4.35	13.51	10.96	287.2	54.83	WNW
SE625	08/26/2021	79.05	43.68	4.3	13.51	12.86	283.1	55.06	WNW



SE625	08/26/2021	79.06	43.88	4.23	13.51	9.21	282.5	55.19	WNW
SE625	08/26/2021	79.3	43.62	3.83	13.51	13.3	280	55.25	W
SE625	08/27/2021	78.38	44.49	4.35	13.51	11.76	283	54.95	WNW
SE625	08/27/2021	78.6	44	4.06	13.51	11.4	280.6	54.85	W
SE625	08/27/2021	78.24	44.11	3.92	13.51	10.38	280.8	54.59	W
SE625	08/27/2021	78.8	42.74	3.41	13.51	9.57	271.8	54.23	W
SE625	08/27/2021	78.41	42.83	3.64	13.51	10.89	280.1	53.93	W
SE625	08/27/2021	78.37	42.64	3.54	13.51	10.74	281	53.78	W
SE625	08/27/2021	78.58	41.7	2.75	13.51	9.57	281.1	53.36	W
SE625	08/27/2021	78.1	41.92	3.66	13.49	11.54	280.2	53.07	W
SE625	08/27/2021	77.5	42.29	3.75	13.46	10.3	273.9	52.76	W
SE625	08/27/2021	77.15	42.33	3.69	13.42	10.01	278.2	52.47	W
SE625	08/27/2021	76.73	42.48	3.08	13.37	8.99	271	52.18	W
SE625	08/27/2021	76.2	43.03	3.61	13.31	8.4	273	52.05	W
SE625	08/27/2021	75.82	43.38	2.29	13.26	6.43	284.9	51.93	WNW
SE625	08/27/2021	75.16	44.47	2.9	13.21	8.11	285.4	52	WNW
SE625	08/27/2021	74.38	45.67	2.21	13.16	5.63	285.3	52.01	WNW
SE625	08/27/2021	73.58	47.14	2.58	13.13	7.53	289.7	52.13	WNW
SE625	08/27/2021	72.85	48.97	2.46	13.11	6.57	295.1	52.5	WNW
SE625	08/27/2021	72.37	50.03	2.09	13.1	5.7	294	52.64	WNW
SE625	08/27/2021	72.05	50.75	1.23	13.09	3.88	290.1	52.73	WNW
SE625	08/27/2021	71.54	51.86	0.78	13.08	2.05	305	52.85	NW
SE625	08/27/2021	70.92	52.94	0.21	13.08	1.17	42.73	52.84	NE
SE625	08/27/2021	70.44	54.31	0.05	13.07	1.17	23.01	53.09	NNE
SE625	08/27/2021	70.05	55.46	0.49	13.07	2.05	16.93	53.3	NNE
SE625	08/27/2021	69.69	56	1.42	13.06	4.38	42.75	53.22	NE
SE625	08/27/2021	69.59	55.57	2.58	13.06	6.35	89.5	52.92	E
SE625	08/27/2021	68.92	56.56	3.19	13.05	5.7	85.7	52.77	E
SE625	08/27/2021	68.27	57.55	3.41	13.05	8.18	84.4	52.64	E
SE625	08/27/2021	68.4	56.91	4.21	13.04	7.53	91.2	52.45	E
SE625	08/27/2021	67.98	57.5	3.48	13.04	6.87	87.2	52.34	E
SE625	08/27/2021	68.24	57.16	3.74	13.04	6.65	87	52.42	E
SE625	08/27/2021	68.14	57.29	4.07	13.03	11.1	89.6	52.39	E
SE625	08/27/2021	68.36	56.81	5.36	13.03	10.59	92.9	52.37	E
SE625	08/27/2021	68.31	56.98	5.6	13.02	13.81	90.1	52.4	E
SE625	08/27/2021	68.01	57.05	3.83	13.02	9.27	79.99	52.16	E
SE625	08/27/2021	67.7	57.12	3.91	13.01	10.67	82.1	51.9	E
SE625	08/27/2021	67.42	57.28	3.37	13.01	7.74	77.62	51.71	ENE
SE625	08/27/2021	67.63	56.54	3.58	13.01	9.34	76.86	51.55	ENE
SE625	08/27/2021	67.16	57.15	3.13	13	7.96	74.35	51.41	ENE
SE625	08/27/2021	66.74	57.11	3.67	13	8.26	76.14	50.99	ENE
SE625	08/27/2021	66.86	55.87	3.21	12.99	8.26	79.65	50.51	E
SE625	08/27/2021	66.26	57.12	3.25	12.99	7.67	80.7	50.55	E
SE625	08/27/2021	65.91	57	3.92	12.98	9.34	72.24	50.16	ENE
SE625	08/27/2021	66.15	56.46	3.59	12.98	9.57	76.95	50.13	ENE
SE625	08/27/2021	65.82	56.11	4.48	12.98	10.59	84.1	49.65	E
SE625	08/27/2021	65.37	56.11	4.94	12.97	11.62	84.4	49.23	E
SE625	08/27/2021	65.38	56.13	4.81	12.97	8.91	91.9	49.25	E
SE625	08/27/2021	65.4	55.87	3.75	12.97	7.16	70.94	49.14	ENE
SE625	08/27/2021	65.1	55.51	3.59	12.96	7.46	80.2	48.69	E
SE625	08/27/2021	65.41	54.21	4.65	12.96	9.5	79.49	48.34	E
SE625	08/27/2021	65.46	53.62	3.79	12.95	8.69	74.26	48.09	ENE
SE625	08/27/2021	65.79	51.83	3.71	12.95	10.23	66.46	47.49	ENE
SE625	08/27/2021	66.15	50.32	4.79	12.95	11.84	73.54	47.04	ENE
SE625	08/27/2021	65.83	50.41	4.41	12.94	14.32	75.79	46.79	ENE
SE625	08/27/2021	66.48	48.15	5.29	12.94	13.15	78.94	46.17	E
SE625	08/27/2021	66.45	47.57	4.67	12.94	10.01	76.38	45.82	ENE
SE625	08/27/2021	65.16	49.48	4.22	12.93	10.16	74.84	45.67	ENE
SE625	08/27/2021	65.08	48.67	3.81	12.93	9.94	68.6	45.16	ENE
SE625	08/27/2021	65.76	46.78	3.87	12.93	12.42	70.27	44.74	ENE
SE625	08/27/2021	65.67	46.39	4.41	12.92	10.74	68.7	44.44	ENE



SE625	08/27/2021	65.69	45.48	3.88	12.92	8.84	64.69	43.94	ENE
SE625	08/27/2021	65.32	45.69	3.72	12.91	9.27	64.03	43.72	ENE
SE625	08/27/2021	65.17	44.74	3.41	12.91	9.42	62.72	43.03	ENE
SE625	08/27/2021	65.2	44.4	2.53	12.91	10.59	41.55	42.86	NE
SE625	08/27/2021	64.22	46.01	3.36	12.9	8.33	71.76	42.89	ENE
SE625	08/27/2021	63.46	47.24	4.02	12.9	8.4	78.66	42.89	ENE
SE625	08/27/2021	63.38	46.39	4.32	12.89	10.3	72.05	42.34	ENE
SE625	08/27/2021	63.81	44.47	3.84	12.89	8.26	64.24	41.63	ENE
SE625	08/27/2021	63.79	44.27	3.57	12.88	8.62	70.59	41.5	ENE
SE625	08/27/2021	63.45	44.17	4.46	12.88	9.06	72.7	41.13	ENE
SE625	08/27/2021	63.98	42.31	3.93	12.87	8.4	62.92	40.49	ENE
SE625	08/27/2021	64.13	41.99	3.35	12.87	7.67	58.32	40.43	ENE
SE625	08/27/2021	64.42	41.11	4.29	12.86	10.96	58.76	40.15	ENE
SE625	08/27/2021	63.58	42.16	4.2	12.86	11.02	66.39	40.04	ENE
SE625	08/27/2021	63.29	42.01	4.19	12.85	10.01	68.03	39.68	ENE
SE625	08/27/2021	63.78	40.33	4.7	12.85	12.57	62.62	39.08	ENE
SE625	08/27/2021	63.33	41.62	4.07	12.84	11.91	72.86	39.48	ENE
SE625	08/27/2021	62.53	42.97	4.37	12.83	8.91	78.13	39.58	ENE
SE625	08/27/2021	62	43.98	4.21	12.83	10.67	79.22	39.69	E
SE625	08/27/2021	61.61	44.05	5.09	12.82	9.86	84.6	39.38	E
SE625	08/27/2021	61.1	44.11	4.67	12.81	8.55	90.2	38.95	E
SE625	08/27/2021	61.62	42.28	4.25	12.81	9.79	78.04	38.33	ENE
SE625	08/27/2021	61.31	42.9	3.83	12.8	9.06	79.31	38.42	E
SE625	08/27/2021	61.32	41.78	3.93	12.8	7.53	77.77	37.76	ENE
SE625	08/27/2021	61.17	41.3	3.8	12.81	8.69	76.3	37.33	ENE
SE625	08/27/2021	61.65	39.02	3.99	12.81	9.06	74.7	36.31	ENE
SE625	08/27/2021	61.96	37.83	3.37	12.82	8.99	62.04	35.81	ENE
SE625	08/27/2021	62.75	35.89	3.58	12.83	8.4	66.53	35.19	ENE
SE625	08/27/2021	62.72	36.1	3.69	12.86	10.08	65.28	35.31	ENE
SE625	08/27/2021	63.06	35.94	3.68	13.05	9.06	75.06	35.5	ENE
SE625	08/27/2021	64.28	34.45	3.8	13.43	8.18	75.86	35.51	ENE
SE625	08/27/2021	64.94	34	4.06	13.61	9.57	81.6	35.77	E
SE625	08/27/2021	65.79	33.77	3.48	13.66	7.53	77.92	36.35	ENE
SE625	08/27/2021	66.38	33.49	3.52	13.67	6.72	86.4	36.66	E
SE625	08/27/2021	66.89	33.93	3.6	13.65	7.89	94.3	37.44	E
SE625	08/27/2021	67.72	34.4	2.44	13.64	7.31	79.57	38.53	E
SE625	08/27/2021	69.19	33.08	0.71	13.63	2.49	64.44	38.83	ENE
SE625	08/27/2021	69.54	31.73	0.44	13.61	2.55	268.9	38.08	W
SE625	08/27/2021	69.65	33.47	1.55	13.6	2.99	295.6	39.54	WNW
SE625	08/27/2021	69.29	36.53	1.6	13.59	2.85	300.8	41.48	WNW
SE625	08/27/2021	70.03	36.76	1.32	13.59	2.92	279.8	42.3	W
SE625	08/27/2021	70.76	35.28	1.44	13.58	3.65	274.7	41.88	W
SE625	08/27/2021	71.47	32.92	0.97	13.57	2.34	288.3	40.72	WNW
SE625	08/27/2021	71.85	33.23	1.36	13.58	4.32	224.6	41.3	SW
SE625	08/27/2021	72.66	34.72	1.5	13.57	3.95	239.4	43.16	WSW
SE625	08/27/2021	73.22	37.78	1.28	13.57	4.67	271.1	45.87	W
SE625	08/27/2021	73.12	41.68	2.39	13.58	5.48	269.1	48.39	W
SE625	08/27/2021	74.09	39.56	2.96	13.58	6.87	258.2	47.88	WSW
SE625	08/27/2021	73.87	38.99	3.3	13.58	7.09	268.4	47.29	W
SE625	08/27/2021	74.05	38.22	3.04	13.58	6.65	263.6	46.93	W
SE625	08/27/2021	74.58	37.72	2.55	13.58	6.06	281.7	47.05	WNW
SE625	08/27/2021	75.24	37.68	3.1	13.57	7.24	262.2	47.62	W
SE625	08/27/2021	75.36	37.34	2.98	13.58	7.31	259.3	47.48	W
SE625	08/27/2021	76.04	36.59	3.79	13.58	10.3	271.2	47.55	W
SE625	08/27/2021	76.1	37.12	4.06	13.58	10.81	267.4	47.99	W
SE625	08/27/2021	76.4	36.33	3.83	13.58	8.91	262.4	47.68	W
SE625	08/27/2021	76.66	37.43	4.41	13.58	9.42	266.7	48.71	W
SE625	08/27/2021	76.81	38.31	4.36	13.58	10.89	270.6	49.47	W
SE625	08/27/2021	76.77	39.67	4.04	13.58	10.81	271	50.37	W
SE625	08/27/2021	76.83	40.09	4.18	13.58	12.57	273.3	50.71	W
SE625	08/27/2021	76.67	40.4	4.98	13.58	14.1	272.7	50.77	W



SE625	08/27/2021	76.95	40.68	4.48	13.58	11.33	271.9	51.21	W
SE625	08/27/2021	76.8	41.23	4.67	13.58	12.06	275.1	51.44	W
SE625	08/27/2021	77.13	41.49	4.87	13.58	12.64	270.9	51.91	W
SE625	08/27/2021	76.91	41.91	4.97	13.58	13.59	274	51.98	W
SE625	08/27/2021	77.55	41.35	4.12	13.56	11.62	274.5	52.2	W
SE625	08/27/2021	77.5	41.93	4.51	13.54	13.44	269.2	52.53	W
SE625	08/27/2021	77.37	42.57	5.71	13.54	15.27	273.4	52.82	W
SE625	08/27/2021	77.05	43.19	4.61	13.54	16.59	273.8	52.93	W
SE625	08/27/2021	76.53	44.1	4.49	13.54	11.54	287.8	53.02	WNW
SE625	08/27/2021	76.97	43.93	5	13.54	12.2	277.8	53.32	W
SE625	08/27/2021	77.12	43.94	4.86	13.54	11.47	278.4	53.46	W
SE625	08/27/2021	76.67	44.3	4.11	13.54	12.86	280.1	53.27	W
SE625	08/27/2021	77.82	43.02	4.11	13.54	12.42	278.4	53.52	W
SE625	08/27/2021	77.97	42.96	3.58	13.54	10.67	267.8	53.62	W
SE625	08/27/2021	78.25	42.17	5.06	13.54	12.49	273.5	53.37	W
SE625	08/27/2021	78.3	42.19	4.2	13.54	9.64	271.3	53.42	W
SE625	08/27/2021	78.38	41.71	4.3	13.54	13.96	278.5	53.18	W
SE625	08/27/2021	78.25	41.6	5	13.54	14.69	271.2	52.99	W
SE625	08/27/2021	78.33	41.62	4.34	13.44	14.32	271.4	53.08	W
SE625	08/27/2021	78.28	41.18	4.6	13.52	11.4	274.9	52.74	W
SE625	08/27/2021	78.47	40.71	3.77	13.52	9.79	269	52.6	W
SE625	08/27/2021	78.29	40.84	4.11	13.51	11.62	275.2	52.53	W
SE625	08/27/2021	78.47	40.36	4.33	13.51	13.15	268.8	52.37	W
SE625	08/27/2021	78.26	39.93	4.89	13.51	11.62	267.5	51.89	W
SE625	08/28/2021	78.35	39.33	3.42	13.51	10.38	274.6	51.56	W
SE625	08/28/2021	78.51	39.04	2.91	13.51	10.01	276.1	51.5	W
SE625	08/28/2021	78.26	38.21	4.56	13.51	8.91	267.7	50.7	W
SE625	08/28/2021	78	37.79	3.8	13.51	10.81	265.8	50.17	W
SE625	08/28/2021	78.73	36.33	2.93	13.51	8.26	282.8	49.76	WNW
SE625	08/28/2021	78.73	36.15	2.92	13.51	10.01	277.7	49.63	W
SE625	08/28/2021	78.13	36.56	3.22	13.5	7.74	262.5	49.4	W
SE625	08/28/2021	78	36.17	3.1	13.37	8.84	277.1	48.99	W
SE625	08/28/2021	77.74	36.04	3.41	13.37	9.42	272.7	48.66	W
SE625	08/28/2021	77.24	36.19	3.53	13.4	8.33	274	48.33	W
SE625	08/28/2021	77.13	36.07	2.32	13.3	7.01	282	48.14	WNW
SE625	08/28/2021	76.6	36.72	2.69	13.24	7.24	283.6	48.15	WNW
SE625	08/28/2021	75.68	37.92	2.61	13.21	7.01	289.7	48.18	WNW
SE625	08/28/2021	75.26	38.23	1.93	13.17	6.28	287.2	48.02	WNW
SE625	08/28/2021	74.69	38.96	1.93	13.15	5.7	286	48.01	WNW
SE625	08/28/2021	73.66	40.16	1.58	13.12	3.8	297.9	47.89	WNW
SE625	08/28/2021	73.13	40.75	0.91	13.11	2.92	288.3	47.8	WNW
SE625	08/28/2021	72.53	41.78	1.27	13.1	3.29	318.2	47.92	NW
SE625	08/28/2021	71.66	43.22	0.67	13.09	2.64	356.6	48.04	N
SE625	08/28/2021	71.14	44.66	2.68	13.08	5.78	78.46	48.44	ENE
SE625	08/28/2021	70.48	45.85	3.44	13.08	6.06	92.7	48.54	E
SE625	08/28/2021	70.55	46.03	4.66	13.07	8.11	94.8	48.71	E
SE625	08/28/2021	70.41	46.75	4.65	13.07	8.69	88.1	49	E
SE625	08/28/2021	70.47	46.73	2.58	13.06	6.5	75.88	49.04	ENE
SE625	08/28/2021	70.1	47.22	1.65	13.06	5.78	60.26	48.98	ENE
SE625	08/28/2021	69.98	47.45	1.52	13.05	5.78	32.51	49	NNE
SE625	08/28/2021	69.66	48.48	2.61	13.05	6.13	79.88	49.28	E
SE625	08/28/2021	69.58	48.39	1.98	13.04	6.06	71.09	49.16	ENE
SE625	08/28/2021	69.15	49.05	1.91	13.04	5.56	72.11	49.13	ENE
SE625	08/28/2021	68.91	49.49	2.22	13.03	4.67	72.92	49.15	ENE
SE625	08/28/2021	68.9	49.45	2.85	13.03	6.35	85.5	49.11	E
SE625	08/28/2021	69.23	48.52	2.98	13.03	7.46	67.27	48.91	ENE
SE625	08/28/2021	68.52	49.78	3.45	13.02	6.72	79.4	48.94	E
SE625	08/28/2021	68.31	49.93	3.8	13.02	9.86	85.8	48.83	E
SE625	08/28/2021	67.91	50.46	3.82	13.01	7.74	83.4	48.74	E
SE625	08/28/2021	67.75	50.7	4.05	13.01	11.02	88.2	48.72	E
SE625	08/28/2021	67.68	50.57	4.18	13.01	9.64	87.4	48.59	E



SE625	08/28/2021	67.8	49.63	4.4	13	10.23	82.4	48.19	E
SE625	08/28/2021	67.18	50.94	4.35	13	10.38	86.2	48.32	E
SE625	08/28/2021	66.97	50.55	5.13	12.99	10.16	90	47.92	E
SE625	08/28/2021	66.74	50.52	6.02	12.99	11.25	84.9	47.69	E
SE625	08/28/2021	66.71	50.24	4.41	12.98	8.62	90.3	47.51	E
SE625	08/28/2021	66.56	50.23	4.91	12.98	8.26	89.4	47.37	E
SE625	08/28/2021	66.62	49.53	4.7	12.98	9.34	86.7	47.05	E
SE625	08/28/2021	66.16	50.42	4.19	12.97	8.26	91.8	47.1	E
SE625	08/28/2021	66.31	50.24	3.64	12.97	7.67	88.6	47.14	E
SE625	08/28/2021	66.22	50.12	4.27	12.97	8.62	93.6	47	E
SE625	08/28/2021	66.21	49.62	4.72	12.96	9.64	93.9	46.72	E
SE625	08/28/2021	65.89	49.99	4.94	12.96	8.77	91.7	46.62	E
SE625	08/28/2021	65.94	49.44	4.79	12.95	9.5	89.2	46.37	E
SE625	08/28/2021	65.44	50.03	4.89	12.95	8.04	95	46.23	E
SE625	08/28/2021	65.25	50.18	4.55	12.95	9.94	92.6	46.13	E
SE625	08/28/2021	65.29	50.05	4.74	12.94	11.33	89	46.1	E
SE625	08/28/2021	65.38	49.73	3.76	12.94	8.62	87.2	46.01	E
SE625	08/28/2021	65.62	48.98	4.43	12.93	9.5	82	45.83	E
SE625	08/28/2021	65.44	48.71	4.27	12.93	9.27	90.1	45.52	E
SE625	08/28/2021	65.56	47.91	3.46	12.93	8.77	74.17	45.19	ENE
SE625	08/28/2021	65.87	47.45	3.28	12.92	8.18	77.22	45.22	ENE
SE625	08/28/2021	65.11	48.76	3.98	12.92	9.21	85	45.24	E
SE625	08/28/2021	64.43	49.76	4.68	12.92	9.64	94.6	45.15	E
SE625	08/28/2021	64.43	49.33	4.53	12.91	9.27	89.1	44.92	E
SE625	08/28/2021	64.75	48.41	4.93	12.91	11.1	79.56	44.72	E
SE625	08/28/2021	64.77	48.2	4.56	12.9	9.64	82.5	44.62	E
SE625	08/28/2021	64.83	47.91	3.97	12.9	8.77	74.23	44.52	ENE
SE625	08/28/2021	64.93	47.54	4.58	12.89	11.25	76.33	44.41	ENE
SE625	08/28/2021	64.6	48.1	4.8	12.89	10.08	84.3	44.41	E
SE625	08/28/2021	64.27	48.88	3.83	12.88	7.59	78	44.53	ENE
SE625	08/28/2021	64.26	48.44	4.52	12.88	9.06	81.1	44.28	E
SE625	08/28/2021	64.01	48.76	4.33	12.87	8.84	79.59	44.22	E
SE625	08/28/2021	63.63	48.99	5.51	12.87	10.74	83	44	E
SE625	08/28/2021	63.25	49.25	4.51	12.86	9.21	85.6	43.79	E
SE625	08/28/2021	62.69	49.69	4.52	12.85	8.62	85.6	43.5	E
SE625	08/28/2021	62.89	49.28	4.71	12.85	9.42	84.2	43.47	E
SE625	08/28/2021	63.17	49.08	5.04	12.84	10.3	79.45	43.62	E
SE625	08/28/2021	62.77	49.28	4.91	12.83	10.74	88.7	43.36	E
SE625	08/28/2021	62.51	48.95	5.02	12.83	9.57	92	42.94	E
SE625	08/28/2021	62.45	48.77	5.7	12.82	11.54	90.6	42.79	E
SE625	08/28/2021	61.96	49.14	5.39	12.81	10.89	95.7	42.54	E
SE625	08/28/2021	62.53	48.74	4.71	12.81	10.52	83.7	42.85	E
SE625	08/28/2021	62.52	48.57	4.72	12.8	11.02	90.8	42.75	E
SE625	08/28/2021	62.34	48.34	5.2	12.79	9.57	93.6	42.46	E
SE625	08/28/2021	62.13	49.06	5.16	12.79	8.69	89.6	42.65	E
SE625	08/28/2021	61.93	49.1	5.25	12.79	9.34	85.4	42.49	E
SE625	08/28/2021	61.89	49.13	5.2	12.8	8.99	86.7	42.47	E
SE625	08/28/2021	62.26	48.11	4.91	12.81	10.89	83.5	42.26	E
SE625	08/28/2021	62.62	47.35	4.58	12.83	10.01	79.19	42.18	E
SE625	08/28/2021	62.75	46.97	4.83	12.86	9.57	80	42.08	E
SE625	08/28/2021	63.14	45.83	4.27	12.91	8.91	81.5	41.8	E
SE625	08/28/2021	63.33	45.4	5.05	13.08	11.54	87	41.73	E
SE625	08/28/2021	63.73	44.95	4.86	13.37	8.4	89.5	41.84	E
SE625	08/28/2021	64.31	44.58	4.68	13.54	9.5	87.6	42.15	E
SE625	08/28/2021	65.09	43.53	4.08	13.63	8.55	90.5	42.24	E
SE625	08/28/2021	65.64	43.03	3.58	13.67	8.11	87.8	42.44	E
SE625	08/28/2021	66.82	42.57	2.91	13.67	5.11	86.1	43.23	E
SE625	08/28/2021	67.73	42.43	2.58	13.65	6.13	94.8	43.98	E
SE625	08/28/2021	69.02	41.52	1.92	13.64	5.48	82.9	44.58	E
SE625	08/28/2021	70.36	40.26	0.79	13.63	3.21	72.74	44.98	ENE
SE625	08/28/2021	71.3	39.67	0.81	13.61	2.7	57.56	45.44	ENE



SE625	08/28/2021	71.78	38.31	0.85	13.6	2.49	220.9	44.95	SW	
SE625	08/28/2021	71.88	39.02	0.68	13.6	2.7	229.4	45.52	SW	
SE625	08/28/2021	72.62	39.66	1.47	13.59	4.02	208.4	46.62	SSW	
SE625	08/28/2021	72.74	39.03	1.13	13.57	3.58	271	46.3	W	
SE625	08/28/2021	72.87	39.95	1.61	13.57	4.1	293.3	47.04	WNW	
SE625	08/28/2021	72.87	39.8	2.37	13.57	6.13	271.3	46.94	W	
SE625	08/28/2021	72.74	39.76	2.95	13.58	6.21	267.4	46.79	W	
SE625	08/28/2021	72.96	39.68	2.96	13.58	6.21	262.3	46.94	W	
SE625	08/28/2021	73.25	39.32	3.28	13.58	6.65	267.2	46.96	W	
SE625	08/28/2021	73.67	38.71	3.37	13.58	6.35	266.7	46.92	W	
SE625	08/28/2021	73.96	37.74	3.23	13.58	6.06	266.8	46.51	W	
SE625	08/28/2021	74.62	35.97	2.47	13.58	5.99	262.2	45.83	W	
SE625	08/28/2021	75.34	35.55	2.95	13.58	6.28	267.7	46.16	W	
SE625	08/28/2021	75.86	36.78	3.06	13.57	8.62	267.1	47.53	W	
SE625	08/28/2021	75.83	37.02	4.25	13.58	8.04	262.3	47.67	W	
SE625	08/28/2021	76.62	36.19	3.33	13.58	8.62	257.6	47.78	WSW	
SE625	08/28/2021	76.58	36.49	3.25	13.58	9.06	274.4	47.96	W	
SE625	08/28/2021	76.72	36.52	3.93	13.58	9.5	269	48.11	W	
SE625	08/28/2021	76.94	36.42	4.48	13.58	9.57	268.5	48.23	W	
SE625	08/28/2021	77.26	36.22	4.27	13.58	10.16	264.5	48.37	W	
SE625	08/28/2021	77.59	35.83	4.1	13.58	9.27	275.7	48.38	W	
SE625	08/28/2021	77.51	35.73	4.76	13.58	9.86	265.6	48.23	W	
SE625	08/28/2021	78.19	35.14	3.92	13.58	9.72	267	48.39	W	
SE625	08/28/2021	78.62	34.69	3.76	13.58	9.79	273.5	48.43	W	
SE625	08/28/2021	78.72	34.44	4.17	13.56	10.16	257.5	48.33	WSW	
SE625	08/28/2021	79.04	34.03	4.18	13.54	9.42	276.2	48.29	W	
SE625	08/28/2021	79.25	33.52	3.88	13.54	9.79	268.4	48.07	W	
SE625	08/28/2021	80.3	31.86	3.92	13.54	8.99	267.3	47.65	W	79.53
SE625	08/28/2021	80.5	31.69	4.7	13.54	9.72	265	47.68	W	79.74
SE625	08/28/2021	80.5	31.84	4.48	13.54	11.76	269.8	47.81	W	79.75
SE625	08/28/2021	80.9	31.16	4.34	13.54	10.59	275.8	47.59	W	79.83
SE625	08/28/2021	80.9	31.34	4.81	13.54	13.44	271.4	47.74	W	79.84
SE625	08/28/2021	81	31.21	4.37	13.54	11.98	275.9	47.72	W	79.9
SE625	08/28/2021	80.9	31.09	5	13.52	11.4	272.5	47.53	W	79.82
SE625	08/28/2021	80.7	31.42	5.09	13.51	10.89	272.3	47.63	W	79.95
SE625	08/28/2021	80.8	31.26	4.48	13.51	14.25	279.1	47.59	W	79.77
SE625	08/28/2021	80.8	30.96	3.98	13.51	9.42	271.7	47.33	W	79.75
SE625	08/28/2021	80.5	30.91	4.83	13.51	11.47	267.7	47.02	W	79.7
SE625	08/28/2021	81.1	29.76	4.63	13.51	11.33	266.7	46.55	W	79.86
SE625	08/28/2021	81.3	28.99	4.1	13.51	10.45	272.5	46.03	W	79.93
SE625	08/28/2021	81.6	27.89	3.48	13.51	9.94	274.8	45.27	W	80.05
SE625	08/28/2021	81.7	26.79	4.37	13.51	12.35	256.4	44.31	WSW	80.05
SE625	08/28/2021	82	26.03	4.35	13.41	13.81	264.6	43.81	W	80.2
SE625	08/28/2021	81.8	25.85	4.13	13.44	11.69	274.5	43.46	W	80.05
SE625	08/28/2021	82.5	24.95	3.28	13.48	8.4	280.2	43.14	W	80.47
SE625	08/28/2021	81.9	25.04	3.59	13.48	9.13	279.3	42.72	W	80.07
SE625	08/29/2021	81.6	24.82	4.15	13.48	9.72	282.2	42.24	WNW	79.85
SE625	08/29/2021	81.6	24.54	3.49	13.48	12.57	277	41.94	W	79.84
SE625	08/29/2021	81.5	24.27	3.76	13.48	10.67	282.7	41.57	WNW	79.76
SE625	08/29/2021	81.3	24.24	4.11	13.48	10.89	278.5	41.37	W	79.62
SE625	08/29/2021	81.2	24.07	3.5	13.48	8.99	277.3	41.1	W	79.55
SE625	08/29/2021	81	23.95	2.5	13.48	7.67	284.3	40.8	WNW	79.93
SE625	08/29/2021	80.8	23.84	3.36	13.48	9.21	279.8	40.51	W	79.7
SE625	08/29/2021	80.8	23.59	2.32	13.46	7.81	275.6	40.24	W	79.69
SE625	08/29/2021	80.5	23.62	2.78	13.4	6.94	283.4	40.02	WNW	79.36
SE625	08/29/2021	80.3	23.68	2.67	13.34	7.09	283.1	39.92	WNW	79.14
SE625	08/29/2021	79.87	23.84	2.65	13.26	6.87	277.9	39.72	W	
SE625	08/29/2021	79.41	23.98	2.51	13.23	9.13	285.3	39.48	WNW	
SE625	08/29/2021	78.43	24.25	2.53	13.2	6.72	284	38.93	WNW	
SE625	08/29/2021	77.75	24.66	1.96	13.18	5.48	293.7	38.77	WNW	
SE625	08/29/2021	76.83	25.23	1.78	13.15	5.26	304	38.57	NW	



SE625	08/29/2021	75.91	25.7	1.7	13.13	4.89	302.8	38.25	WNW
SE625	08/29/2021	75.16	26.57	0.74	13.11	3.21	336	38.45	NNW
SE625	08/29/2021	74.21	27.76	2.13	13.1	5.26	41.24	38.75	NE
SE625	08/29/2021	73.79	29.46	2.06	13.09	5.11	41.79	39.9	NE
SE625	08/29/2021	72.56	31.42	2.96	13.09	5.99	86.1	40.48	E
SE625	08/29/2021	71.7	32.95	4.07	13.08	7.46	92.4	40.95	E
SE625	08/29/2021	71.07	33.76	4.11	13.08	8.04	93.6	41.02	E
SE625	08/29/2021	71.41	32.95	4.66	13.07	7.53	91.1	40.69	E
SE625	08/29/2021	70.77	34.65	4.3	13.06	6.65	92.9	41.43	E
SE625	08/29/2021	70.36	35.66	4.65	13.06	8.91	93.5	41.81	E
SE625	08/29/2021	69.57	37.03	5.01	13.05	9.94	90.7	42.08	E
SE625	08/29/2021	69.99	36.86	6.02	13.05	12.42	87.5	42.33	E
SE625	08/29/2021	69.96	36.43	6.35	13.04	12.64	89.5	42	E
SE625	08/29/2021	69.37	37.49	6.61	13.04	10.96	87.3	42.22	E
SE625	08/29/2021	69.61	36.37	6.1	13.04	11.84	81.4	41.65	E
SE625	08/29/2021	70.58	34.65	6.58	13.03	11.47	90.7	41.26	E
SE625	08/29/2021	70.13	35.15	6.4	13.03	11.1	96.6	41.23	E
SE625	08/29/2021	69.13	36.58	5.03	13.02	9.72	87.5	41.37	E
SE625	08/29/2021	69.2	36.45	4.9	13.02	9.57	81.3	41.34	E
SE625	08/29/2021	69.38	37.1	4.28	13.01	11.1	72.51	41.96	ENE
SE625	08/29/2021	69.71	35.91	3.91	13.01	8.69	71.3	41.41	ENE
SE625	08/29/2021	70.1	34.55	4.04	13.01	12.42	74.12	40.76	ENE
SE625	08/29/2021	70	33.93	4.98	13	10.01	85.7	40.2	E
SE625	08/29/2021	68.78	35.45	4.15	13	9.79	78.41	40.24	ENE
SE625	08/29/2021	68.88	34.95	4.04	12.99	10.81	71.39	39.97	ENE
SE625	08/29/2021	68.54	35.29	3.85	12.99	9.64	69.2	39.91	ENE
SE625	08/29/2021	68.2	35.89	4.28	12.98	9.27	83.6	40.05	E
SE625	08/29/2021	67.64	36.41	4.81	12.98	8.26	82.7	39.92	E
SE625	08/29/2021	66.96	37.21	5.27	12.98	10.45	93.6	39.87	E
SE625	08/29/2021	66.43	38.08	5	12.97	9.27	94.1	39.99	E
SE625	08/29/2021	66.34	37.86	5.33	12.97	11.54	93.2	39.76	E
SE625	08/29/2021	66.21	37.56	5.72	12.96	10.81	90.6	39.44	E
SE625	08/29/2021	66.53	37.24	5.88	12.96	10.52	89.8	39.5	E
SE625	08/29/2021	66.1	38.04	5.65	12.96	9.72	90	39.66	E
SE625	08/29/2021	65.86	38.36	5.76	12.95	9.21	90.6	39.66	E
SE625	08/29/2021	65.78	38.33	5.61	12.95	9.79	89.3	39.57	E
SE625	08/29/2021	65.8	37.59	5.72	12.94	10.96	86.8	39.09	E
SE625	08/29/2021	65.31	37.93	4.67	12.94	8.91	89.6	38.88	E
SE625	08/29/2021	65.15	37.73		12.94	9.34	85.7	38.6	E
SE625	08/29/2021	65.75	36.29	5.08	12.93	10.23	79.02	38.14	E
SE625	08/29/2021	65.28	36.94	6.03	12.93	10.16	90.5	38.18	E
SE625	08/29/2021	64.99	37.2	6.12	12.92	13.08	86.1	38.1	E
SE625	08/29/2021	64.64	37.93	5.36	12.92	9.79	88.3	38.28	E
SE625	08/29/2021	64.29	38.33	5.34	12.92	8.91	89.2	38.23	E
SE625	08/29/2021	64.53	37.63	4.97	12.91	9.06	87.3	37.98	E
SE625	08/29/2021	64.58	36.94	5.17	12.91	9.79	84.7	37.55	E
SE625	08/29/2021	64.09	37.34	5.39	12.9	11.91	87.6	37.39	E
SE625	08/29/2021	64	37.11	5.36	12.9	10.45	89.1	37.15	E
SE625	08/29/2021	64.03	36.98	5.03	12.89	9.13	84.6	37.09	E
SE625	08/29/2021	64.22	36.69	5	12.89	9.21	88.3	37.06	E
SE625	08/29/2021	64.61	35.61	4.59	12.88	8.84	83.8	36.65	E
SE625	08/29/2021	64.72	35.11	5.51	12.88	10.38	83.2	36.38	E
SE625	08/29/2021	64.77	35.18	4.4	12.87	9.21	76.59	36.48	ENE
SE625	08/29/2021	64.57	35.47	4.53	12.87	10.23	76.94	36.51	ENE
SE625	08/29/2021	64.32	35.35	5.16	12.86	9.86	75.95	36.2	ENE
SE625	08/29/2021	64.51	34.63	4.52	12.86	8.4	78.21	35.85	ENE
SE625	08/29/2021	64.69	33.88	4.1	12.85	10.96	74.9	35.46	ENE
SE625	08/29/2021	64.56	34.21	4.59	12.84	9.86	79.46	35.59	E
SE625	08/29/2021	64.69	33.61	4.44	12.84	10.16	71.25	35.25	ENE
SE625	08/29/2021	64.46	33.84	3.59	12.83	7.96	68.98	35.22	ENE
SE625	08/29/2021	64.65	32.88	3.98	12.83	8.04	74.87	34.67	ENE



SE625	08/29/2021	64.08	34.04	3.81	12.82	8.69	79.62	35.03	E	
SE625	08/29/2021	63.87	33.98	4.38	12.81	8.69	82.6	34.8	E	
SE625	08/29/2021	64.03	33.41	4.19	12.81	7.74	93	34.52	E	
SE625	08/29/2021	64.5	32.12	3.93	12.8	9.34	70.32	33.95	ENE	
SE625	08/29/2021	63.98	32.59	4.08	12.79	7.24	80.6	33.85	E	
SE625	08/29/2021	63.47	33.25	4.34	12.79	8.69	79.31	33.9	E	
SE625	08/29/2021	63.68	32.19	4.08	12.79	7.59	74.64	33.28	ENE	
SE625	08/29/2021	64.08	31.38	3.29	12.8	8.26	63.42	33	ENE	
SE625	08/29/2021	64.09	31.42	3.8	12.81	8.62	71.37	33.04	ENE	
SE625	08/29/2021	63.78	32.04	4.07	12.81	8.48	71.26	33.25	ENE	
SE625	08/29/2021	64.18	30.92	4.34	12.83	9.86	75.18	32.72	ENE	
SE625	08/29/2021	64.21	31.14	4.58	12.86	8.84	74.12	32.92	ENE	
SE625	08/29/2021	64.31	32.06	4.21	13.03	11.54	78.74	33.73	ENE	
SE625	08/29/2021	65	31.98	4.37	13.41	7.96	81.5	34.28	E	
SE625	08/29/2021	66	30.45	4.14	13.59	8.62	83.6	33.93	E	
SE625	08/29/2021	66.95	30.49	3.37	13.65	6.65	76.83	34.79	ENE	
SE625	08/29/2021	67.56	30.31	3.77	13.67	8.11	85.9	35.18	E	
SE625	08/29/2021	68.09	30.02	3.87	13.65	6.87	95.1	35.4	E	
SE625	08/29/2021	68.69	30.03	2.29	13.63	5.99	65.93	35.93	ENE	
SE625	08/29/2021	69.95	28.87	0.91	13.63	3.21	86.2	36.04	E	
SE625	08/29/2021	70.3	28.68	0.56	13.6	1.75	336.9	36.18	NNW	
SE625	08/29/2021	70.55	27.59	0.45	13.6	1.31	312.5	35.42	NW	
SE625	08/29/2021	70.86	25.98	0.9	13.59	1.75	315.4	34.18	NW	
SE625	08/29/2021	71.19	25.62	1.11	13.57	2.34	307.6	34.11	NW	
SE625	08/29/2021	72.14	25.87	1.16	13.57	3.07	270.5	35.17	W	
SE625	08/29/2021	72.2	26.74	1.7	13.57	3.36	256.2	36.06	WSW	
SE625	08/29/2021	72.76	25.91	1.73	13.57	3.88	240.8	35.75	WSW	
SE625	08/29/2021	73.4	25.16	1.51	13.57	4.45	254.8	35.56	WSW	
SE625	08/29/2021	74.4	23.17	1.32	13.57	4.45	281.8	34.35	WNW	
SE625	08/29/2021	74.71	23.81	2.8	13.57	5.85	269.3	35.29	W	
SE625	08/29/2021	74.42	26.49	2.05	13.57	6.06	273.6	37.73	W	
SE625	08/29/2021	75.05	25.9	1.31	13.57	4.97	303.6	37.71	WNW	
SE625	08/29/2021	75.81	24.7	1.9	13.56	4.67	280.3	37.16	W	
SE625	08/29/2021	76.12	24.55	2.15	13.57	5.78	270.9	37.27	W	
SE625	08/29/2021	77.26	23.52	2.87	13.57	8.26	263.9	37.16	W	
SE625	08/29/2021	77.13	22.8	3.74	13.54	8.11	269.8	36.26	W	
SE625	08/29/2021	77.52	22.85	3.52	13.57	6.57	267	36.65	W	
SE625	08/29/2021	77.99	23.77	4.1	13.58	8.84	256.6	38.04	WSW	
SE625	08/29/2021	78.5	23.49	3.96	13.58	11.02	259.1	38.18	W	
SE625	08/29/2021	78.53	23.72	4.2	13.58	9.64	269.2	38.45	W	
SE625	08/29/2021	78.4	23.87	5.27	13.58	11.18	263.7	38.5	W	
SE625	08/29/2021	79.01	23.43	4.44	13.58	9.86	267.2	38.55	W	
SE625	08/29/2021	79.44	23.09	4.5	13.56	11.02	274.1	38.54	W	
SE625	08/29/2021	79.62	22.83	3.76	13.54	14.03	275.2	38.41	W	
SE625	08/29/2021	79.29	23.25	5.05	13.54	13.15	268.5	38.59	W	
SE625	08/29/2021	79.54	23.01	4.79	13.54	11.62	265.3	38.54	W	
SE625	08/29/2021	79.94	22.79	4.65	13.54	13.15	270.9	38.63	W	
SE625	08/29/2021	79.57	23.5	5.41	13.54	12.93	271.7	39.1	W	
SE625	08/29/2021	80.1	23.93	4.88	13.54	12.86	272.4	40.01	W	78.93
SE625	08/29/2021	80.1	24.25	4.21	13.54	11.76	271.7	40.35	W	78.95
SE625	08/29/2021	79.87	24.51	5.7	13.54	12.7	268.4	40.43	W	
SE625	08/29/2021	79.82	24.51	5.23	13.54	12.7	263.3	40.39	W	
SE625	08/29/2021	79.95	24.4	4.95	13.54	12.35	267.8	40.38	W	
SE625	08/29/2021	80.2	24.27	4.58	13.54	14.76	273.8	40.46	W	79.06
SE625	08/29/2021	80.5	24.13	4.49	13.54	12.7	273.8	40.57	W	79.38
SE625	08/29/2021	80.1	24.53	4.64	13.54	13.44	277.2	40.65	W	78.96
SE625	08/29/2021	80.2	24.45	5.21	13.52	12.28	265.7	40.65	W	79.07
SE625	08/29/2021	80.7	24.16	4.25	13.51	12.13	268.7	40.77	W	79.61
SE625	08/29/2021	80.8	24.12	3.92	13.51	11.76	278.5	40.81	W	79.71
SE625	08/29/2021	80.8	24.15	3.91	13.51	11.84	276.1	40.85	W	79.72
SE625	08/29/2021	81.3	23.56	3.88	13.51	13.74	274.9	40.64	W	79.59



SE625	08/29/2021	80.2	24.4	5.04	13.51	11.76	268.4	40.6	W	79.07
SE625	08/29/2021	80.9	24.21	3.84	13.51	8.84	272.2	41	W	79.83
SE625	08/29/2021	80.9	24.33	4.3	13.51	11.1	272.1	41.12	W	79.83
SE625	08/29/2021	80.9	24.19	3.79	13.51	13.3	278.1	40.97	W	79.83
SE625	08/29/2021	81.1	24.04	3.82	13.43	10.59	282.7	40.98	WNW	79.49
SE625	08/29/2021	80.5	24.36	4.36	13.46	9.86	270.4	40.81	W	79.39
SE625	08/29/2021	80.8	24.04	3.64	13.42	11.47	278.1	40.73	W	79.71
SE625	08/30/2021	80.9	23.92	4.3	13.48	10.23	273.6	40.69	W	79.81
SE625	08/30/2021	80.7	23.98	3.84	13.42	8.99	275.3	40.58	W	79.6
SE625	08/30/2021	80.7	24.02	3.81	13.44	10.67	273.5	40.62	W	79.6
SE625	08/30/2021	79.92	24.57	3.98	13.47	11.91	287	40.54	WNW	
SE625	08/30/2021	79.97	24.62	3.34	13.47	9.27	277	40.63	W	
SE625	08/30/2021	80.1	24.61	3.34	13.5	9.13	271	40.73	W	78.97
SE625	08/30/2021	79.78	24.77	3.76	13.49	10.08	265.4	40.63	W	
SE625	08/30/2021	79.65	24.72	3.81	13.46	10.08	265.2	40.46	W	
SE625	08/30/2021	79.57	24.65	3.03	13.41	8.48	273.7	40.32	W	
SE625	08/30/2021	78.93	25.27	3.23	13.38	9.06	276.9	40.41	W	
SE625	08/30/2021	78.29	26.12	2.95	13.32	8.77	276.2	40.71	W	
SE625	08/30/2021	77.69	26.74	2.57	13.27	7.01	288.7	40.8	WNW	
SE625	08/30/2021	76.93	27.46	2.84	13.21	9.13	283.7	40.82	WNW	
SE625	08/30/2021	76.14	28.42	2.23	13.17	6.35	286.5	41.02	WNW	
SE625	08/30/2021	75.44	29.08	1.64	13.13	5.56	283.5	41.01	WNW	
SE625	08/30/2021	74.53	29.86	1.24	13.11	3.65	287.4	40.89	WNW	
SE625	08/30/2021	74.05	30.41	0.67	13.1	2.77	264.7	40.94	W	
SE625	08/30/2021	73.56	31.12	1.04	13.09	2.64	28.54	41.11	NNE	
SE625	08/30/2021	72.83	32.7	2.39	13.09	5.34	72.69	41.75	ENE	
SE625	08/30/2021	71.91	33.72	3.36	13.08	6.5	78.58	41.73	ENE	
SE625	08/30/2021	70.95	35.16	3.14	13.08	7.09	79.8	41.96	E	
SE625	08/30/2021	70.06	36.33	3.66	13.07	7.31	88.5	42.02	E	
SE625	08/30/2021	69.76	37.36	3.72	13.06	7.38	89.7	42.48	E	
SE625	08/30/2021	69.89	37.46	4.8	13.06	9.27	86.4	42.67	E	
SE625	08/30/2021	69.96	37.52	4.15	13.05	7.53	81.6	42.77	E	
SE625	08/30/2021	69.45	37.8	2.85	13.05	7.59	70	42.51	ENE	
SE625	08/30/2021	69.55	37.81	3.87	13.04	9.27	77.41	42.6	ENE	
SE625	08/30/2021	68.9	38.4	4.57	13.04	10.3	95.1	42.42	E	
SE625	08/30/2021	68.43	38.59	4.96	13.04	13.88	85.7	42.13	E	
SE625	08/30/2021	68.7	38.17	4.78	13.03	10.16	89.8	42.09	E	
SE625	08/30/2021	68.31	38.53	4.55	13.03	9.86	93.7	41.98	E	
SE625	08/30/2021	68.44	38.04	5.33	13.02	10.74	91.1	41.76	E	
SE625	08/30/2021	68.38	37.62	5.6	13.02	11.33	90.6	41.42	E	
SE625	08/30/2021	67.05	38.28	6.21	13.01	11.62	89.7	40.68	E	
SE625	08/30/2021	66.99	37.69	4.98	13.01	9.79	84.2	40.22	E	
SE625	08/30/2021	67.93	35.74	6.5	13	13.08	88.6	39.7	E	
SE625	08/30/2021	67.3	36.24	5.59	13	9.72	84.6	39.49	E	
SE625	08/30/2021	67.13	36.02	5.6	13	10.16	79.18	39.18	E	
SE625	08/30/2021	66.96	36.11	5.47	12.99	10.89	87.4	39.1	E	
SE625	08/30/2021	66.75	35.64	4.88	12.99	9.57	90	38.57	E	
SE625	08/30/2021	67.56	32.18	4.67	12.98	10.38	76	36.69	ENE	
SE625	08/30/2021	67.06	32.62	4.13	12.98	9.06	86.4	36.59	E	
SE625	08/30/2021	65.97	33.92	4.15	12.97	8.69	96.4	36.62	E	
SE625	08/30/2021	65.49	32.51	4.33	12.97	8.11	91.9	35.12	E	
SE625	08/30/2021	65.88	31.48	4.79	12.97	10.59	85.9	34.66	E	
SE625	08/30/2021	65.09	31.71	4.95	12.96	9.94	85.9	34.15	E	
SE625	08/30/2021	64.94	31.43	5.43	12.96	13.96	87.5	33.79	E	
SE625	08/30/2021	64.9	29.8	5.04	12.96	9.64	86.4	32.43	E	
SE625	08/30/2021	65.16	28.09	4.61	12.95	9.57	88	31.19	E	
SE625	08/30/2021	65.29	27.23	4.3	12.95	10.52	84.4	30.54	E	
SE625	08/30/2021	64.98	26.64	5.06	12.94	12.64	80.8	29.73	E	
SE625	08/30/2021	64.49	26.23	4.43	12.94	8.48	79.49	28.93	E	
SE625	08/30/2021	64.73	24.98	5.16	12.94	9.94	88.5	27.95	E	
SE625	08/30/2021	64.89	24.03	4.6	12.93	11.47	81.8	27.15	E	



SE625	08/30/2021	64.61	23.79	4.53	12.93	9.57	92.6	26.66	E
SE625	08/30/2021	64.62	22.78	4.57	12.93	9.06	83.4	25.63	E
SE625	08/30/2021	64.71	22.05	4.03	12.92	7.96	80.8	24.93	E
SE625	08/30/2021	64.38	22.05	4.9	12.92	8.77	87.7	24.65	E
SE625	08/30/2021	63.78	21.94	5.28	12.91	9.13	91	24.02	E
SE625	08/30/2021	63.71	21.36	4.73	12.91	10.67	83.6	23.32	E
SE625	08/30/2021	64.07	19.62	4.9	12.9	10.38	84.7	21.62	E
SE625	08/30/2021	64.42	19.09	4.13	12.9	8.69	71.4	21.27	ENE
SE625	08/30/2021	63.08	16.33	5.23	12.81	8.77	90.9	16.55	E
SE625	08/30/2021	62.86	16.56	5.14	12.81	8.84	90.6	16.69	E
SE625	08/30/2021	62.8	16.98	5.27	12.8	10.38	81.4	17.21	E
SE625	08/30/2021	62.58	17.34	5.27	12.79	9.86	84.3	17.51	E
SE625	08/30/2021	62.86	16.56	5.31	12.79	10.96	85.3	16.69	E
SE625	08/30/2021	62.87	16.65	6.12	12.79	11.84	84.3	16.82	E
SE625	08/30/2021	62.76	17.6	5.87	12.8	11.91	85.9	18	E
SE625	08/30/2021	62.87	17.78	5.91	12.81	11.1	89.2	18.33	E
SE625	08/30/2021	62.75	18.68	5.63	12.82	11.62	90.8	19.37	E
SE625	08/30/2021	62.72	19.47	4.9	12.84	11.76	88.5	20.31	E
SE625	08/30/2021	62.73	20.18	5	12.85	9.86	88.5	21.16	E
SE625	08/30/2021	63.23	21.19	4.44	13	7.59	91.9	22.73	E
SE625	08/30/2021	63.69	22.01	5.14	13.38	9.72	87.1	24.02	E
SE625	08/30/2021	64.4	22.97	5.98	13.57	11.47	87.2	25.64	E
SE625	08/30/2021	65.17	23.37	5.52	13.65	9.64	94.3	26.71	E
SE625	08/30/2021	66.06	24.06	4.97	13.68	8.69	85.3	28.17	E
SE625	08/30/2021	67.36	24.64	3.92	13.66	8.48	83.4	29.87	E
SE625	08/30/2021	68.61	24.32	3.56	13.65	6.35	95.6	30.61	E
SE625	08/30/2021	70.21	23.92	2.45	13.63	5.78	76.95	31.57	ENE
SE625	08/30/2021	70.87	24.66	1.93	13.62	4.89	57.97	32.89	ENE
SE625	08/30/2021	71.97	22.53	0.33	13.6	2.55	342.1	31.59	NNW
SE625	08/30/2021	71.89	21.27	0.87	13.6	2.85	297.3	30.11	WNW
SE625	08/30/2021	72.5	22.26	0.49	13.6	1.68	286.2	31.74	WNW
SE625	08/30/2021	72.65	22.37	1.51	13.58	3.07	232.1	31.99	SW
SE625	08/30/2021	72.76	23.53	1.59	13.57	3.21	240.4	33.34	WSW
SE625	08/30/2021	73.16	22.77	2.07	13.58	4.45	246.4	32.86	WSW
SE625	08/30/2021	73.72	22.75	1.5	13.57	5.19	237.7	33.31	WSW
SE625	08/30/2021	74.36	22	1.92	13.57	5.41	252.3	33.02	WSW
SE625	08/30/2021	74.54	21.82	1.85	13.57	4.89	269.2	32.97	W
SE625	08/30/2021	74.98	23.29	2.17	13.57	5.78	264.7	34.97	W
SE625	08/30/2021	75.2	25.99	2.64	13.57	5.48	268.3	37.92	W
SE625	08/30/2021	75.86	26.52	2.39	13.57	5.56	273.1	39.01	W
SE625	08/30/2021	75.7	25.94	2.8	13.57	6.72	274.1	38.3	W
SE625	08/30/2021	76.11	25.68	3.05	13.57	6.5	270.7	38.4	W
SE625	08/30/2021	76.63	26.12	3.54	13.58	8.77	270.8	39.28	W
SE625	08/30/2021	76.56	26.85	3.75	13.58	8.4	265.5	39.93	W
SE625	08/30/2021	76.96	26.64	3.36	13.58	7.89	262.9	40.07	W
SE625	08/30/2021	77.42	26.62	3.35	13.58	7.81	268.8	40.45	W
SE625	08/30/2021	77.94	26.54	3.56	13.58	10.3	269.4	40.82	W
SE625	08/30/2021	78.06	26.32	3.48	13.58	10.01	268.5	40.71	W
SE625	08/30/2021	77.74	26.37	4.71	13.58	12.57	260.2	40.48	W
SE625	08/30/2021	78.05	26.39	3.6	13.58	11.4	259.1	40.77	W
SE625	08/30/2021	78.25	26.24	4.22	13.58	11.4	269.1	40.79	W
SE625	08/30/2021	78.43	26.2	4.12	13.58	11.69	269.7	40.91	W
SE625	08/30/2021	78.33	26.37	3.96	13.56	11.76	264.8	40.99	W
SE625	08/30/2021	78.51	26.43	4.3	13.54	10.67	265.2	41.2	W
SE625	08/30/2021	79.04	26.26	4.17	13.54	10.23	271	41.49	W
SE625	08/30/2021	78.61	26.84	4.48	13.54	13.66	265.5	41.69	W
SE625	08/30/2021	78.99	26.7	4.52	13.54	10.81	262.4	41.88	W
SE625	08/30/2021	79.09	26.79	4.48	13.54	9.13	268.6	42.05	W
SE625	08/30/2021	79.18	27.03	4.36	13.54	11.25	266.7	42.36	W
SE625	08/30/2021	79.54	27.04	4.13	13.54	11.76	270.8	42.68	W
SE625	08/30/2021	79.18	27.75	3.77	13.54	9.94	269	43.04	W



SE625	08/30/2021	78.96	28.48	4.93	13.54	11.76	265.1	43.53	W
SE625	08/30/2021	79.01	28.71	4.66	13.54	11.02	262.6	43.78	W
SE625	08/30/2021	78.99	29.16	4.88	13.54	10.89	263.4	44.17	W
SE625	08/30/2021	78.99	29.62	4.53	13.54	11.69	263.2	44.58	W
SE625	08/30/2021	78.79	29.89	4.89	13.54	10.74	264.5	44.64	W
SE625	08/30/2021	79.2	29.83	4.17	13.54	13.08	262.3	44.95	W
SE625	08/30/2021	79.65	29.58	4.04	13.52	10.52	266.2	45.12	W
SE625	08/30/2021	79.64	29.78	3.88	13.51	8.62	272.8	45.29	W
SE625	08/30/2021	79.92	29.6	3.64	13.51	10.89	274.1	45.37	W
SE625	08/30/2021	79.67	30.01	4.98	13.51	11.1	270.3	45.52	W
SE625	08/30/2021	79.46	30.38	4.23	13.51	11.18	269.2	45.66	W
SE625	08/30/2021	79.77	30.15	3.44	13.51	10.96	273.9	45.73	W
SE625	08/30/2021	79.32	30.75	3.95	13.51	9.21	268.8	45.85	W
SE625	08/30/2021	79.53	30.71	3.68	13.51	8.91	271.5	46	W
SE625	08/31/2021	79.46	30.9	3.44	13.51	9.79	271.7	46.1	W
SE625	08/31/2021	79.32	31.37	3.57	13.51	9.13	277.4	46.38	W
SE625	08/31/2021	78.88	32.06	3.34	13.51	8.99	269.5	46.57	W
SE625	08/31/2021	78.49	32.6	3.92	13.51	11.33	270	46.66	W
SE625	08/31/2021	78.24	33.03	3.59	13.51	8.26	269	46.79	W
SE625	08/31/2021	78.23	33.29	2.78	13.51	7.53	262.1	46.99	W
SE625	08/31/2021	78.05	33.7	3.13	13.52	8.62	269.4	47.15	W
SE625	08/31/2021	77.34	34.62	3.3	13.38	8.26	273.2	47.24	W
SE625	08/31/2021	76.92	35.4	2.45	13.38	7.01	270.3	47.46	W
SE625	08/31/2021	76.49	36.12	2.76	13.36	6.5	269.9	47.61	W
SE625	08/31/2021	75.88	37.13	2.6	13.28	7.24	269.1	47.8	W
SE625	08/31/2021	75.41	37.64	2.43	13.23	5.34	266.9	47.74	W
SE625	08/31/2021	74.93	38.19	1.59	13.18	4.23	276.4	47.69	W
SE625	08/31/2021	74.17	38.72	1.28	13.15	4.38	264.2	47.38	W
SE625	08/31/2021	73.42	39.43	1.37	13.12	3.73	249.9	47.19	WSW
SE625	08/31/2021	72.87	40.66	0.87	13.11	2.19	216.8	47.51	SW
SE625	08/31/2021	72.27	41.17	1.44	13.1	3.58	139	47.3	SE
SE625	08/31/2021	71.72	41.76	1.85	13.09	3.8	112.4	47.18	ESE
SE625	08/31/2021	71.31	42.57	0.91	13.09	1.9	110.8	47.32	ESE
SE625	08/31/2021	70.98	42.2	0.32	13.08	1.68	133.1	46.78	SE
SE625	08/31/2021	70.55	43.35	0.97	13.07	1.97	139.9	47.11	SE
SE625	08/31/2021	70.28	42.87	1.14	13.07	4.38	107	46.57	ESE
SE625	08/31/2021	70.41	40.73	0.38	13.06	1.9	150.1	45.33	SSE
SE625	08/31/2021	70.17	41.54	0.43	13.06	2.7	108.2	45.63	ESE
SE625	08/31/2021	69.87	43.67	1.88	13.05	6.28	96.3	46.68	E
SE625	08/31/2021	69.19	44.92	1.86	13.05	6.28	76.61	46.81	ENE
SE625	08/31/2021	69.1	44.86	1.53	13.04	3.58	61.42	46.69	ENE
SE625	08/31/2021	69.25	44.31	1.17	13.04	2.34	64.61	46.5	ENE
SE625	08/31/2021	69.06	44.29	1.59	13.04	3.73	79.57	46.32	E
SE625	08/31/2021	69.01	43.82	2.32	13.03	4.75	79.36	45.99	E
SE625	08/31/2021	69.17	42.61	1.77	13.03	3.95	48.73	45.4	NE
SE625	08/31/2021	68.91	41.63	3.11	13.02	5.7	90.4	44.55	E
SE625	08/31/2021	68.7	40.94	3.69	13.02	8.55	94.1	43.92	E
SE625	08/31/2021	68.36	40.43	3.03	13.02	5.91	93.1	43.28	E
SE625	08/31/2021	68.38	39.52	3.3	13.01	7.24	103	42.7	ESE
SE625	08/31/2021	68.39	38.39	3.2	13.01	7.81	91.2	41.96	E
SE625	08/31/2021	68.1	38.42	3.12	13	6.35	83.7	41.72	E
SE625	08/31/2021	68.06	37.59	3.48	13	7.16	85.2	41.12	E
SE625	08/31/2021	69.17	33.94	3.93	12.99	8.18	84	39.47	E
SE625	08/31/2021	68.68	35.04	3.37	12.99	6.5	73.34	39.86	ENE
SE625	08/31/2021	67.67	36.19	4.2	12.99	7.53	86.6	39.79	E
SE625	08/31/2021	67.67	35.17	4.82	12.98	8.77	89	39.05	E
SE625	08/31/2021	67.82	35.05	3.83	12.98	10.52	78.44	39.1	ENE
SE625	08/31/2021	67.69	34.7	3.33	12.97	7.89	73.9	38.73	ENE
SE625	08/31/2021	67.83	33.65	4.8	12.97	10.52	86.9	38.07	E
SE625	08/31/2021	67.73	33.08	4.12	12.97	9.34	71.67	37.54	ENE
SE625	08/31/2021	68.5	30.98	3.93	12.96	11.25	65.25	36.55	ENE



SE625	08/31/2021	67.37	33.31	4.15	12.96	9.06	83.6	37.4	E
SE625	08/31/2021	67.54	32.02	4.34	12.96	8.11	78.19	36.55	ENE
SE625	08/31/2021	67.66	30.59	3.57	12.95	13.37	72.18	35.5	ENE
SE625	08/31/2021	68.18	29.99	4.23	12.95	8.55	78.85	35.45	E
SE625	08/31/2021	67.89	29.36	4.56	12.95	10.38	75.25	34.67	ENE
SE625	08/31/2021	68.27	28.3	4.74	12.94	11.25	73.79	34.08	ENE
SE625	08/31/2021	67.67	28.78	4.67	12.94	11.1	74.38	33.98	ENE
SE625	08/31/2021	68.08	27.52	4.28	12.94	9.13	80.7	33.22	E
SE625	08/31/2021	67.27	28.7	3.99	12.93	10.16	80	33.56	E
SE625	08/31/2021	67.7	27.25	4.22	12.93	8.62	76.58	32.64	ENE
SE625	08/31/2021	67.75	27.28	4.63	12.92	10.23	71.43	32.71	ENE
SE625	08/31/2021	67.32	27.33	4.04	12.92	8.69	76.33	32.39	ENE
SE625	08/31/2021	67.02	27.25	4.6	12.92	11.47	77.68	32.05	ENE
SE625	08/31/2021	67.14	26.53	5.16	12.91	11.18	85.3	31.49	E
SE625	08/31/2021	66.66	27.52	4.68	12.91	10.74	79.46	31.99	E
SE625	08/31/2021	67.02	26.02	4.87	12.9	12.42	75.8	30.91	ENE
SE625	08/31/2021	67.14	25.44	4.12	12.9	9.64	76.02	30.46	ENE
SE625	08/31/2021	67.18	25.06	4.35	12.9	10.96	70.03	30.13	ENE
SE625	08/31/2021	67.28	24.46	4.2	12.89	7.46	85.9	29.62	E
SE625	08/31/2021	67.8	23.55	3.66	12.89	10.45	70.14	29.14	ENE
SE625	08/31/2021	66.43	25.61	2.91	12.88	6.94	73.48	30.01	ENE
SE625	08/31/2021	66.59	25.42	4.17	12.88	8.91	90.3	29.97	E
SE625	08/31/2021	67.12	24.63	4.13	12.87	7.67	87.3	29.65	E
SE625	08/31/2021	66.88	24.47	3.53	12.87	6.79	70.76	29.29	ENE
SE625	08/31/2021	66.24	26.17	3.92	12.86	8.26	92.2	30.38	E
SE625	08/31/2021	65.37	27.54	4.22	12.85	9.42	86.4	30.89	E
SE625	08/31/2021	66.69	25.46	4.35	12.85	11.76	81.4	30.09	E
SE625	08/31/2021	66.05	26.67	3.57	12.84	8.99	93.8	30.68	E
SE625	08/31/2021	65.43	27.74	2.75	12.84	8.4	94.6	31.12	E
SE625	08/31/2021	64.87	28.21	2.12	12.83	4.82	87.8	31.05	E
SE625	08/31/2021	65.26	27.84	3.52	12.82	8.33	89.2	31.06	E
SE625	08/31/2021	66.44	26.05	3.48	12.82	7.24	75.54	30.44	ENE
SE625	08/31/2021	66.46	26.34	3.37	12.81	6.72	66.92	30.73	ENE
SE625	08/31/2021	65.66	27.59	2.7	12.81	6.35	75.41	31.18	ENE
SE625	08/31/2021	65.34	28.11	4.11	12.8	8.48	88.2	31.37	E
SE625	08/31/2021	66.21	26.52	3.37	12.8	7.74	81.9	30.68	E
SE625	08/31/2021	65.92	27.3	2.8	12.81	6.87	71.95	31.15	ENE
SE625	08/31/2021	64.56	29.07	4.08	12.82	8.33	91.8	31.52	E
SE625	08/31/2021	64.69	28.59	3.8	12.83	6.94	74.58	31.22	ENE
SE625	08/31/2021	65.28	28.29	2.44	12.85	5.7	72.16	31.47	ENE
SE625	08/31/2021	64.11	30.1	4.15	12.87	7.09	91.8	31.99	E
SE625	08/31/2021	64.52	29.91	4.07	12.99	8.11	96.5	32.19	E
SE625	08/31/2021	65.19	29.79	3.23	13.29	5.91	99.7	32.67	E
SE625	08/31/2021	66.21	29.58	1.55	13.47	4.38	77.17	33.39	ENE
SE625	08/31/2021	66.71	30.4	2.87	13.59	6.13	87.9	34.51	E
SE625	08/31/2021	67.34	31.01	2.01	13.64	5.48	62.48	35.56	ENE
SE625	08/31/2021	68.28	30.13	2.14	13.66	4.02	86.8	35.66	E
SE625	08/31/2021	68.85	29.95	2.59	13.65	5.85	83.4	36.01	E
SE625	08/31/2021	69.75	29.63	1.65	13.63	6.79	33.68	36.52	NNE
SE625	08/31/2021	70.88	28.92	1.72	13.62	4.97	98.9	36.89	E
SE625	08/31/2021	71.53	29.3	2.19	13.61	5.34	86.3	37.79	E
SE625	08/31/2021	72.7	28.55	1.07	13.6	3.14	149.2	38.15	SSE
SE625	08/31/2021	72.81	26.34	0.9	13.6	2.92	201.7	36.2	SSW
SE625	08/31/2021	72.4	28.66	2.05	13.59	3.51	233	37.99	SW
SE625	08/31/2021	72.08	27.55	1.2	13.58	2.49	219.2	36.71	SW
SE625	08/31/2021	72.7	26.62	1.44	13.58	3.8	230.2	36.38	SW
SE625	08/31/2021	73.32	26.12	1.42	13.57	3.88	261.1	36.43	W
SE625	08/31/2021	74.09	25.47	1.37	13.57	4.6	290.5	36.46	WNW
SE625	08/31/2021	74.67	25.63	2.17	13.57	5.34	273.5	37.11	W
SE625	08/31/2021	74.35	27.96	2.57	13.57	4.82	267.7	39.05	W
SE625	08/31/2021	74.46	29.13	2.82	13.58	5.26	263.1	40.2	W



SE625	08/31/2021	75.14	28.88	1.69	13.57	3.88	292.2	40.57	WNW	
SE625	08/31/2021	75.98	27.56	1.98	13.57	5.63	272.7	40.09	W	
SE625	08/31/2021	76.42	26.55	2.24	13.57	6.21	277.2	39.52	W	
SE625	08/31/2021	76.73	26.24	2.97	13.54	6.35	274.8	39.48	W	
SE625	08/31/2021	76.85	27.44	3.18	13.58	6.43	273.9	40.73	W	
SE625	08/31/2021	77.38	28.35	3.18	13.58	6.94	268.1	42.04	W	
SE625	08/31/2021	77.56	28.79	3.14	13.58	8.99	267.8	42.59	W	
SE625	08/31/2021	77.5	28.89	4.1	13.58	9.13	270.6	42.63	W	
SE625	08/31/2021	77.7	28.91	3.87	13.58	8.69	273.7	42.82	W	
SE625	08/31/2021	77.75	28.99	3.73	13.58	9.57	273.1	42.94	W	
SE625	08/31/2021	77.48	28.92	4.38	13.58	7.96	262.1	42.64	W	
SE625	08/31/2021	78.28	28.03	3.53	13.58	10.89	267	42.52	W	
SE625	08/31/2021	79.3	26.93	3.66	13.56	10.08	258.9	42.37	W	
SE625	08/31/2021	79.05	27.02	4.6	13.54	9.27	260.7	42.24	W	
SE625	08/31/2021	79.41	26.68	2.98	13.54	9.27	245	42.22	WSW	
SE625	08/31/2021	79.57	26.67	4.07	13.54	9.5	272.4	42.35	W	
SE625	08/31/2021	79.4	27.25	4.35	13.54	8.91	267	42.76	W	
SE625	08/31/2021	79.29	27.1	4.83	13.54	10.01	261.1	42.52	W	
SE625	08/31/2021	79.76	26.89	4.35	13.54	9.72	268.3	42.73	W	
SE625	08/31/2021	80	27.08	3.84	13.54	9.72	261.8	43.12	W	
SE625	08/31/2021	80.9	26.74	3.07	13.54	10.96	275.6	43.57	W	79.95
SE625	08/31/2021	80.3	27.33	4.1	13.54	9.27	272.4	43.62	W	79.31
SE625	08/31/2021	80.5	27.4	4.03	13.54	9.13	272.1	43.86	W	79.54
SE625	08/31/2021	80.2	28.59	5.33	13.52	10.74	259.1	44.71	W	79.26
SE625	08/31/2021	80.2	28.96	4.33	13.51	13.01	266.8	45.04	W	79.28
SE625	08/31/2021	80.5	28.93	4.26	13.51	8.77	269.5	45.28	W	79.61
SE625	08/31/2021	80.3	29.22	4.44	13.51	10.38	270.1	45.37	W	79.4
SE625	08/31/2021	80.3	29.65	4.38	13.51	10.59	268.8	45.75	W	79.42
SE625	08/31/2021	80.6	29.7	3.74	13.51	11.02	282	46.06	WNW	79.76
SE625	08/31/2021	80.3	30.18	4.18	13.51	11.33	275.1	46.22	W	79.45
SE625	08/31/2021	80.5	30.08	4.11	13.51	9.64	262.6	46.3	W	79.66
SE625	08/31/2021	80.4	30.07	3.43	13.51	9.72	272.2	46.21	W	79.55
SE625	08/31/2021	80.2	30.46	4.42	13.51	10.89	270.8	46.37	W	79.35
SE625	08/31/2021	80.1	30.65	4.02	13.51	9.21	269.2	46.45	W	79.25
SE625	08/31/2021	80.5	30.2	3.64	13.51	9.72	268.6	46.41	W	79.67
SE625	08/31/2021	79.94	30.86	3.83	13.51	10.67	269	46.49	W	
SE625	09/01/2021	80.1	30.85	3.57	13.51	9.72	271.6	46.62	W	79.26
SE625	09/01/2021	80.2	30.67	3.41	13.51	7.53	274.4	46.55	W	79.36
SE625	09/01/2021	79.99	31.1	3.51	13.51	9.72	274.8	46.74	W	
SE625	09/01/2021	79.17	31.86	3.95	13.51	8.55	269.5	46.66	W	
SE625	09/01/2021	78.92	32.07	3.5	13.51	9.94	278.2	46.61	W	
SE625	09/01/2021	78.62	32.45	3.1	13.51	8.91	277	46.66	W	
SE625	09/01/2021	78.21	32.83	3.3	13.49	9.34	276.5	46.6	W	
SE625	09/01/2021	77.69	33.21	3.46	13.36	9.42	278.1	46.45	W	
SE625	09/01/2021	77.28	33.59	2.69	13.37	7.09	279.9	46.39	W	
SE625	09/01/2021	77.1	33.65	2.01	13.39	6.21	279.9	46.27	W	
SE625	09/01/2021	76.34	34.33	2.54	13.28	7.59	279.2	46.13	W	
SE625	09/01/2021	75.89	34.68	2.09	13.22	6.21	283.5	46	WNW	
SE625	09/01/2021	75.25	34.87	1.57	13.18	6.28	266.7	45.57	W	
SE625	09/01/2021	74.59	35.46	2.07	13.15	6.28	267.2	45.43	W	
SE625	09/01/2021	73.79	36.11	2.15	13.13	5.34	267	45.19	W	
SE625	09/01/2021	73.06	36.65	1.54	13.11	4.17	276.3	44.93	W	
SE625	09/01/2021	72.69	36.91	1.07	13.1	3.29	218.7	44.79	SW	
SE625	09/01/2021	72.12	38.74	1.05	13.09	2.99	86	45.55	E	
SE625	09/01/2021	71.52	40.16	0.78	13.08	2.49	114.7	45.96	ESE	
SE625	09/01/2021	70.97	40.4	0.09	13.08	1.17	132.2	45.62	SE	
SE625	09/01/2021	70.48	41.33	0.97	13.07	2.55	108	45.78	ESE	
SE625	09/01/2021	70.11	41.99	1.19	13.07	3.14	116.8	45.86	ESE	
SE625	09/01/2021	69.8	41.34	0.18	13.06	1.68	111.7	45.17	ESE	
SE625	09/01/2021	69.49	41.6	0.41	13.06	1.46	111.4	45.05	ESE	
SE625	09/01/2021	69.15	42.17	0.69	13.05	3.14	94.4	45.1	E	



SE625	09/01/2021	68.73	42.62	2.37	13.05	4.82	100.5	45	E
SE625	09/01/2021	68.48	43.46	2.78	13.04	6.43	90.7	45.29	E
SE625	09/01/2021	68.35	42.87	2.95	13.04	4.82	96.8	44.81	E
SE625	09/01/2021	68.23	42.6	3.07	13.03	6.43	95.6	44.53	E
SE625	09/01/2021	68.68	42.1	3.34	13.03	7.59	100.2	44.63	E
SE625	09/01/2021	67.87	44.41	4.06	13.03	8.33	87.5	45.3	E
SE625	09/01/2021	67.89	44.56	3.57	13.02	6.28	72.04	45.41	ENE
SE625	09/01/2021	67.84	44.16	2.76	13.02	4.82	91.2	45.13	E
SE625	09/01/2021	68.14	42.85	1.9	13.01	5.34	80.3	44.61	E
SE625	09/01/2021	67.96	42.31	3.33	13.01	6.06	100.9	44.11	E
SE625	09/01/2021	67.4	41.56	3.82	13	6.87	91.7	43.13	E
SE625	09/01/2021	66.87	42.32	4.67	13	8.69	95.6	43.13	E
SE625	09/01/2021	67.07	42.25	5.32	13	9.79	88.6	43.26	E
SE625	09/01/2021	66.5	42.39	4.74	12.99	8.99	93.3	42.83	E
SE625	09/01/2021	66.25	42.17	5.52	12.99	10.38	89.9	42.47	E
SE625	09/01/2021	66.16	41.76	5.03	12.98	10.67	88.9	42.13	E
SE625	09/01/2021	66.48	40.47	5.16	12.98	9.79	86.1	41.61	E
SE625	09/01/2021	66.57	39	5.05	12.98	9.86	83.1	40.73	E
SE625	09/01/2021	66.07	40.04	5.37	12.97	8.91	89.2	40.96	E
SE625	09/01/2021	66.31	38.67	4.95	12.97	9.64	80.2	40.28	E
SE625	09/01/2021	66.81	38.09	5.32	12.96	10.08	87	40.34	E
SE625	09/01/2021	66.62	37.19	5.58	12.96	12.42	86.3	39.55	E
SE625	09/01/2021	65.83	37.95	6.58	12.96	12.86	90.7	39.36	E
SE625	09/01/2021	66.57	37.6	5.88	12.95	13.44	74.93	39.79	ENE
SE625	09/01/2021	66.03	38.49	4.45	12.95	10.16	88.6	39.9	E
SE625	09/01/2021	64.65	40.52	4.93	12.95	10.16	94.4	39.99	E
SE625	09/01/2021	64.92	39.74	5.29	12.94	9.13	95.2	39.73	E
SE625	09/01/2021	65.28	38.07	5.04	12.94	9.64	95.7	38.95	E
SE625	09/01/2021	65.09	37.38	5.55	12.93	9.42	102	38.31	ESE
SE625	09/01/2021	65.1	38.13	5.61	12.93	9.72	88	38.83	E
SE625	09/01/2021	64.52	39.12	6.21	12.93	11.47	87.4	38.96	E
SE625	09/01/2021	64.26	39.75	4.73	12.92	8.18	87.2	39.14	E
SE625	09/01/2021	64.28	38.99	5.56	12.92	10.67	84.1	38.66	E
SE625	09/01/2021	64.18	39.29	5.94	12.92	11.33	85	38.77	E
SE625	09/01/2021	65.2	37.18	5.76	12.91	10.74	79.39	38.27	E
SE625	09/01/2021	64.26	38.79	5.02	12.91	8.55	94	38.51	E
SE625	09/01/2021	63.67	40.26	5.32	12.91	10.59	90.9	38.93	E
SE625	09/01/2021	63.7	40.27	5.97	12.9	14.25	91.7	38.97	E
SE625	09/01/2021	64.41	39.44	5.8	12.9	9.94	87.7	39.07	E
SE625	09/01/2021	63.6	40.2	5.43	12.89	10.74	94.9	38.83	E
SE625	09/01/2021	64	40.06	6.32	12.89	13.66	89.7	39.1	E
SE625	09/01/2021	63.82	39.62	5.35	12.88	10.23	89.6	38.66	E
SE625	09/01/2021	63.74	39.32	5.58	12.88	12.42	84.4	38.39	E
SE625	09/01/2021	63.58	39.93	5.2	12.87	9.86	82.7	38.64	E
SE625	09/01/2021	63.67	39.54	5.65	12.87	10.45	78.83	38.47	E
SE625	09/01/2021	63.3	40.22	5.12	12.86	13.37	90.3	38.57	E
SE625	09/01/2021	62.68	40.95	6.04	12.86	10.23	90.3	38.48	E
SE625	09/01/2021	62.8	40.75	5.32	12.85	8.18	90.6	38.46	E
SE625	09/01/2021	62.67	40.54	5.41	12.84	9.72	90.4	38.21	E
SE625	09/01/2021	63.18	39.81	6.51	12.84	11.69	93.6	38.2	E
SE625	09/01/2021	63.05	40.3	6.36	12.83	9.86	92.8	38.4	E
SE625	09/01/2021	62.87	41.01	6.21	12.82	12.2	90.4	38.68	E
SE625	09/01/2021	62.87	41.11	6.05	12.82	11.47	86.4	38.75	E
SE625	09/01/2021	63.25	39.01	5.36	12.81	9.64	83.8	37.75	E
SE625	09/01/2021	62.85	39.22	5.5	12.81	10.67	87.3	37.53	E
SE625	09/01/2021	63	38.11	5.61	12.8	10.74	85.6	36.93	E
SE625	09/01/2021	63.55	37.13	5.85	12.79	10.89	89.3	36.76	E
SE625	09/01/2021	62.57	38.94	5.21	12.8	9.86	90.8	37.09	E
SE625	09/01/2021	63.05	37.89	4.86	12.8	10.45	83.1	36.83	E
SE625	09/01/2021	62.46	39.04	5.52	12.82	10.16	92.5	37.06	E
SE625	09/01/2021	62.88	38.18	5.91	12.85	11.18	95.7	36.87	E



SE625	09/01/2021	63.18	37.32	5.02	12.88	9.94	88.6	36.56	E	
SE625	09/01/2021	63.98	36.57	6.24	12.85	12.28	93.1	36.76	E	
SE625	09/01/2021	64.32	36.17	5.52	12.97	9.64	94.1	36.78	E	
SE625	09/01/2021	64.59	36.46	4.5	13.34	7.96	91.3	37.23	E	
SE625	09/01/2021	64.85	36.79	5.74	13.52	10.52	91.2	37.69	E	
SE625	09/01/2021	65.31	37.28	5.57	13.62	11.62	93.6	38.44	E	
SE625	09/01/2021	66.11	36.88	4.98	13.67	8.77	93.7	38.88	E	
SE625	09/01/2021	66.9	36.51	5	13.67	9.21	88.7	39.33	E	
SE625	09/01/2021	68.36	34.84	4.04	13.65	7.74	84.9	39.42	E	
SE625	09/01/2021	69.73	33.49	3.48	13.64	6.87	95.9	39.63	E	
SE625	09/01/2021	71.24	32.08	2.17	13.63	5.19	90.6	39.85	E	
SE625	09/01/2021	72.21	31.94	1.46	13.62	4.02	47.35	40.59	NE	
SE625	09/01/2021	73	31.47	0.69	13.6	2.19	45.81	40.91	NE	
SE625	09/01/2021	73.01	30.98	1.53	13.6	3.14	194.4	40.51	SSW	
SE625	09/01/2021	72.18	32.5	1.93	13.59	4.17	227.8	41.02	SSW	
SE625	09/01/2021	72.8	29.01	1.76	13.59	4.02	201.1	38.64	SSW	
SE625	09/01/2021	73.09	30.7	1.23	13.58	3.21	257.3	40.35	WSW	
SE625	09/01/2021	73.77	30.77	1.14	13.58	2.77	293.1	41	WNW	
SE625	09/01/2021	74.76	29.26	0.82	13.58	3.07	278.4	40.57	W	
SE625	09/01/2021	74.77	31.74	2.07	13.57	4.32	264.5	42.69	W	
SE625	09/01/2021	74.98	32.04	2.2	13.57	5.85	274.8	43.11	W	
SE625	09/01/2021	75.14	32.14	2.61	13.57	5.99	272.7	43.34	W	
SE625	09/01/2021	75.32	32.03	2.73	13.57	5.19	267.8	43.41	W	
SE625	09/01/2021	75.81	32.18	2.66	13.57	6.28	269.5	43.96	W	
SE625	09/01/2021	76.3	31.74	2.77	13.57	6.43	273.3	44.03	W	
SE625	09/01/2021	76.83	30.66	2.59	13.54	6.21	269.5	43.59	W	
SE625	09/01/2021	77.62	29.47	2.69	13.58	6.06	275	43.25	W	
SE625	09/01/2021	77.36	30.03	4.04	13.58	7.74	260.7	43.51	W	
SE625	09/01/2021	77.81	29.95	3.38	13.58	8.55	262.6	43.84	W	
SE625	09/01/2021	77.75	29.97	3.68	13.58	7.59	266.5	43.8	W	
SE625	09/01/2021	78.73	29.09	3.06	13.58	6.65	266.9	43.88	W	
SE625	09/01/2021	79.17	29.01	3.42	13.58	9.5	267.1	44.19	W	
SE625	09/01/2021	78.86	29.86	4.11	13.56	9.86	268.1	44.68	W	
SE625	09/01/2021	79.08	30.09	3.74	13.54	8.48	273.8	45.07	W	
SE625	09/01/2021	79.85	29.72	3.34	13.54	8.55	267.9	45.42	W	
SE625	09/01/2021	80.3	29.66	4.17	13.54	10.52	264.7	45.76	W	79.42
SE625	09/01/2021	80.6	29.6	3.3	13.54	8.4	273.1	45.97	W	79.75
SE625	09/01/2021	80.6	29.81	3.29	13.54	9.21	269.7	46.15	W	79.76
SE625	09/01/2021	80.9	29.71	3.66	13.54	8.62	273.7	46.33	W	79.72
SE625	09/01/2021	80.9	29.69	3.45	13.54	8.69	268.3	46.31	W	79.72
SE625	09/01/2021	81.2	29.58	4.07	13.54	10.01	268.1	46.47	W	79.91
SE625	09/01/2021	81.3	29.65	3.79	13.54	9.57	265.9	46.62	W	79.98
SE625	09/01/2021	81.3	29.66	4.35	13.52	9.94	268.1	46.63	W	79.98
SE625	09/01/2021	81.4	29.59	3.91	13.51	8.84	265.9	46.66	W	80.04
SE625	09/01/2021	81.8	29.4	4.25	13.51	10.38	265.4	46.84	W	80.3
SE625	09/01/2021	82	29.14	3.96	13.51	9.21	258.3	46.78	WSW	80.42
SE625	09/01/2021	82.3	28.56	3.83	13.51	8.69	262.6	46.51	W	80.59
SE625	09/01/2021	82.6	28.42	2.81	13.51	8.48	274.5	46.64	W	80.79
SE625	09/01/2021	83.2	27.88	3.59	13.51	9.42	265.4	46.65	W	81.19
SE625	09/01/2021	83.6	27.73	3.14	13.51	8.62	261.6	46.86	W	81.48
SE625	09/01/2021	83.4	27.8	3.44	13.41	9.79	266.1	46.75	W	81.33
SE625	09/01/2021	83.5	27.75	3.42	13.46	8.62	266.6	46.79	W	81.41
SE625	09/01/2021	83.4	27.99	3.64	13.48	10.81	273	46.93	W	81.35
SE625	09/01/2021	83.4	28	4.21	13.47	10.38	266.8	46.94	W	81.35
SE625	09/01/2021	83.2	28.62	3.96	13.47	9.5	267.8	47.34	W	81.25
SE625	09/01/2021	83.6	28.43	3.33	13.48	10.08	274.3	47.52	W	81.54
SE625	09/01/2021	82.7	29.6	4.22	13.48	12.13	270.9	47.8	W	80.96
SE625	09/01/2021	82.5	29.92	3.4	13.48	9.34	274.3	47.91	W	80.84
SE625	09/02/2021	82.4	30.24	3.8	13.48	10.38	270.5	48.11	W	80.79
SE625	09/02/2021	81.9	30.85	3.48	13.48	9.42	269.2	48.2	W	80.48
SE625	09/02/2021	81.9	30.68	3.49	13.47	8.48	270.8	48.05	W	80.47



SE625	09/02/2021	81.5	31.4	4.28	13.48	8.62	259.1	48.32	W	80.25
SE625	09/02/2021	80.9	31.86	3.93	13.47	8.91	264.9	48.18	W	79.88
SE625	09/02/2021	80.7	32.36	2.99	13.5	7.89	255.4	48.42	WSW	79.99
SE625	09/02/2021	80.4	32.75	3.02	13.48	8.26	263.5	48.47	W	79.68
SE625	09/02/2021	79.95	33.53	2.49	13.36	5.78	261.9	48.7	W	
SE625	09/02/2021	79.88	33.65	2.53	13.31	5.78	246.1	48.73	WSW	
SE625	09/02/2021	79.42	33.95	2.1	13.38	5.26	225.8	48.56	SW	
SE625	09/02/2021	78.55	34.99	1.28	13.27	5.7	254.7	48.6	WSW	
SE625	09/02/2021	78.15	35.43	0.87	13.22	2.77	264.7	48.57	W	
SE625	09/02/2021	77.39	36.41	1.47	13.18	3.21	282.8	48.63	WNW	
SE625	09/02/2021	76.36	37.72	0.9	13.15	1.9	294.9	48.65	WNW	
SE625	09/02/2021	75.82	38.45	0.03	13.12	0.59	292.5	48.68	WNW	
SE625	09/02/2021	75.39	39.17	0.46	13.11	1.53	90.7	48.78	E	
SE625	09/02/2021	75.1	39.88	1.47	13.1	3.43	85.7	49	E	
SE625	09/02/2021	74.2	41.48	2.81	13.09	5.78	87.7	49.25	E	
SE625	09/02/2021	73.58	42.17	3.36	13.09	5.63	85.1	49.13	E	
SE625	09/02/2021	73.75	40.92	4.35	13.08	8.04	87.9	48.47	E	
SE625	09/02/2021	73.62	40.51	4.38	13.07	8.48	82.8	48.09	E	
SE625	09/02/2021	73.75	40.41	4.57	13.07	10.01	77.13	48.14	ENE	
SE625	09/02/2021	73.59	40.02	4.73	13.06	8.84	75.97	47.74	ENE	
SE625	09/02/2021	73.76	39.39	4.53	13.06	10.52	81.5	47.47	E	
SE625	09/02/2021	73.09	39.13	3.56	13.05	8.18	79.6	46.69	E	
SE625	09/02/2021	72.71	38.63	3.65	13.05	7.09	78.68	46	ENE	
SE625	09/02/2021	72.68	38.42	3.96	13.05	9.57	77.47	45.83	ENE	
SE625	09/02/2021	73.84	35.96	4	13.04	10.38	65.78	45.13	ENE	
SE625	09/02/2021	73.2	36.04	3.75	13.04	8.4	72.41	44.61	ENE	
SE625	09/02/2021	72.47	35.71	3.41	13.03	9.13	78.56	43.72	ENE	
SE625	09/02/2021	72.13	35.91	3.5	13.03	7.89	65.39	43.57	ENE	
SE625	09/02/2021	72.05	35.81	3.28	13.02	7.38	66.36	43.42	ENE	
SE625	09/02/2021	71.15	35.98	3.66	13.02	7.24	80.4	42.74	E	
SE625	09/02/2021	71.38	35.3	3.42	13.02	10.52	69.3	42.45	ENE	
SE625	09/02/2021	71.43	34.95	3.46	13.01	7.46	70.1	42.24	ENE	
SE625	09/02/2021	70.54	35.38	4.65	13.01	9.86	85.4	41.76	E	
SE625	09/02/2021	70.38	35.42	4.49	13	10.16	78.5	41.65	ENE	
SE625	09/02/2021	70.35	34.88	5.36	13	10.3	85.6	41.22	E	
SE625	09/02/2021	69.6	35.83	5.61	12.99	11.69	90.9	41.25	E	
SE625	09/02/2021	69.23	36.05	5.03	12.99	12.64	80.7	41.08	E	
SE625	09/02/2021	69.33	35.53	5.08	12.99	12.49	83.7	40.79	E	
SE625	09/02/2021	69.16	35.49	4.97	12.98	10.45	83	40.61	E	
SE625	09/02/2021	68.76	36.37	5.25	12.98	10.52	86.9	40.89	E	
SE625	09/02/2021	68.59	36.12	5.32	12.97	10.74	83.6	40.56	E	
SE625	09/02/2021	68.41	36.15	5.51	12.97	12.28	85.2	40.42	E	
SE625	09/02/2021	68.28	35.58	5.36	12.97	9.94	84.8	39.89	E	
SE625	09/02/2021	68.58	34.63	4.78	12.96	8.77	85	39.46	E	
SE625	09/02/2021	68.53	34.75	5.03	12.96	8.4	89.1	39.51	E	
SE625	09/02/2021	68.17	34.9	5.44	12.96	11.02	93.3	39.3	E	
SE625	09/02/2021	68.14	34.34	4.81	12.95	8.4	91.3	38.86	E	
SE625	09/02/2021	68.25	33.78	4.36	12.95	7.89	87.2	38.54	E	
SE625	09/02/2021	68.36	33.01	4.66	12.94	8.4	89.3	38.04	E	
SE625	09/02/2021	68.04	33.09	4.51	12.94	8.26	86.5	37.82	E	
SE625	09/02/2021	67.79	33.04	4.04	12.94	8.84	87.3	37.56	E	
SE625	09/02/2021	67.83	32.71	3.59	12.93	7.53	83.9	37.34	E	
SE625	09/02/2021	68.59	30.88	3.6	12.93	9.86	64.38	36.55	ENE	
SE625	09/02/2021	69.44	29.19	3.85	12.93	8.69	53.04	35.87	NE	
SE625	09/02/2021	69.36	29.21	3.19	12.92	8.26	58.64	35.82	ENE	
SE625	09/02/2021	70.03	27.93	3.52	12.92	7.96	64.73	35.28	ENE	
SE625	09/02/2021	70	27.57	3.51	12.91	8.62	51.91	34.92	NE	
SE625	09/02/2021	70.34	26.71	3.36	12.91	10.08	34.9	34.42	NE	
SE625	09/02/2021	70.75	26.13	2.66	12.9	9.72	41.6	34.23	NE	
SE625	09/02/2021	69.56	27.88	2.78	12.9	6.79	43.61	34.82	NE	
SE625	09/02/2021	69.23	27.98	3.29	12.9	6.57	74.75	34.63	ENE	



SE625	09/02/2021	68.79	28.69	3.5	12.89	7.67	84.2	34.87	E	
SE625	09/02/2021	68.88	28.15	3.08	12.88	7.01	75.97	34.47	ENE	
SE625	09/02/2021	68.56	28.45	2.57	12.88	6.35	53.07	34.46	NE	
SE625	09/02/2021	67.63	30.23	3.22	12.88	6.13	79.8	35.17	E	
SE625	09/02/2021	67.2	30.37	3.2	12.87	8.84	71.47	34.91	ENE	
SE625	09/02/2021	66.1	32.35	3.61	12.87	7.59	77.24	35.54	ENE	
SE625	09/02/2021	65.69	32.63	4.68	12.86	9.94	82.6	35.39	E	
SE625	09/02/2021	66.57	31.36	4.19	12.85	8.91	84.9	35.17	E	
SE625	09/02/2021	67.21	30.35	3.75	12.85	8.91	77.89	34.91	ENE	
SE625	09/02/2021	68.03	28.87	4.64	12.84	9.64	71.34	34.37	ENE	
SE625	09/02/2021	67.39	30.27	4.25	12.83	8.55	76.13	35	ENE	
SE625	09/02/2021	65.64	32.49	4.12	12.83	9.72	78.89	35.24	E	
SE625	09/02/2021	67.26	30.32	3.71	12.82	8.11	82.9	34.93	E	
SE625	09/02/2021	67.47	30.01	3.1	12.82	4.97	80.3	34.85	E	
SE625	09/02/2021	67.64	29.64	2.42	12.81	5.99	79.2	34.69	E	
SE625	09/02/2021	67.59	30.04	3.44	12.81	6.28	85.1	34.98	E	
SE625	09/02/2021	66.55	32.18	3.57	12.8	7.59	87.6	35.8	E	
SE625	09/02/2021	67.28	30.31	2.77	12.8	9.13	82.2	34.93	E	
SE625	09/02/2021	67.86	29.71	1.88	12.8	5.41	88.4	34.94	E	
SE625	09/02/2021	68.02	29.44	3.1	12.81	6.57	73.46	34.85	ENE	
SE625	09/02/2021	67.31	30.84	2.64	12.82	6.13	57.02	35.4	ENE	
SE625	09/02/2021	67.45	30.75	3.07	12.83	8.62	54.2	35.45	NE	
SE625	09/02/2021	67.91	30.46	2.7	12.84	7.16	66.3	35.61	ENE	
SE625	09/02/2021	67.43	31.41	2.46	12.87	6.65	56.43	35.96	ENE	
SE625	09/02/2021	67.44	31.77	3.07	13.01	8.55	69.8	36.26	ENE	
SE625	09/02/2021	66.81	33.38	4.15	13.32	7.81	87.2	36.96	E	
SE625	09/02/2021	67.42	33.96	2.82	13.5	5.7	82.2	37.94	E	
SE625	09/02/2021	68.4	33.26	3.58	13.6	6.43	59.62	38.27	ENE	
SE625	09/02/2021	69.36	32.99	2.36	13.64	5.48	70.98	38.91	ENE	
SE625	09/02/2021	70.32	32.24	1.81	13.64	4.67	76.74	39.17	ENE	
SE625	09/02/2021	70.75	30.43	0.72	13.62	2.85	338.6	38.07	NNW	
SE625	09/02/2021	70.21	28.53	1.42	13.6	2.7	295.3	35.97	WNW	
SE625	09/02/2021	70.96	27.98	0.7	13.59	2.42	250.3	36.13	WSW	
SE625	09/02/2021	71.44	27.74	1.28	13.59	2.55	248.1	36.33	WSW	
SE625	09/02/2021	72.41	28.04	0.39	13.57	1.97	302.1	37.44	WNW	
SE625	09/02/2021	73.54	27.5	0.66	13.56	2.19	254.6	37.93	WSW	
SE625	09/02/2021	74.19	27.59	0.83	13.57	2.05	282.3	38.57	WNW	
SE625	09/02/2021	74.98	26.69	1.22	13.57	2.12	282.1	38.41	WNW	
SE625	09/02/2021	75.1	27.69	1.86	13.57	3.88	254.3	39.45	WSW	
SE625	09/02/2021	75.11	28.27	1.65	13.57	3.58	275.5	39.99	W	
SE625	09/02/2021	74.81	26.38	2.51	13.57	6.06	267.7	37.97	W	
SE625	09/02/2021	74.96	24.44	2.72	13.56	5.63	267.5	36.16	W	
SE625	09/02/2021	75.68	23.39	1.94	13.57	4.53	267.1	35.67	W	
SE625	09/02/2021	76.23	22.9	2.24	13.57	4.67	274	35.61	W	
SE625	09/02/2021	77.12	22.04	1.96	13.57	5.91	284	35.4	WNW	
SE625	09/02/2021	77.35	21.67	2.7	13.55	5.99	273.5	35.17	W	
SE625	09/02/2021	78.15	21.68	2.35	13.54	4.82	271.9	35.86	W	
SE625	09/02/2021	78.59	21.71	1.9	13.54	5.34	288.2	36.26	WNW	
SE625	09/02/2021	79.05	22.02	2.89	13.54	6.87	268.6	37.01	W	
SE625	09/02/2021	79.09	22.23	3.75	13.54	6.94	266	37.28	W	
SE625	09/02/2021	79.62	22.96	3.48	13.54	7.16	277.7	38.55	W	
SE625	09/02/2021	79.96	23.95	3.14	13.54	7.16	278.3	39.92	W	
SE625	09/02/2021	79.87	24.87	3.53	13.54	7.74	271	40.81	W	
SE625	09/02/2021	80.3	25.14	3.9	13.54	8.84	260.8	41.45	W	79.21
SE625	09/02/2021	80.9	25.29	3.17	13.54	8.84	268.2	42.12	W	79.88
SE625	09/02/2021	81.5	24.26	3.61	13.54	11.1	271.6	41.56	W	79.76
SE625	09/02/2021	81.7	23.99	3.11	13.54	6.79	269.9	41.44	W	79.87
SE625	09/02/2021	81.3	24.57	4.45	13.54	10.3	261.6	41.72	W	79.64
SE625	09/02/2021	81.7	24.5	3.87	13.54	10.08	270.7	41.99	W	79.9
SE625	09/02/2021	81.8	24.24	4.71	13.54	10.23	260.2	41.8	W	79.95
SE625	09/02/2021	81.4	24.55	4.95	13.52	9.13	260.3	41.78	W	79.71



SE625	09/02/2021	81.4	25.74	4.27	13.51	10.01	266.1	43.01	W	79.78
SE625	09/02/2021	82	25.33	4.08	13.51	11.1	265.4	43.11	W	80.15
SE625	09/02/2021	81.8	25.97	4.18	13.51	11.18	267.9	43.58	W	80.06
SE625	09/02/2021	82.2	25.12	4.02	13.51	10.74	257.5	43.06	WSW	80.28
SE625	09/02/2021	82.4	25.72	3.71	13.51	11.4	272.1	43.85	W	80.45
SE625	09/02/2021	82.1	25.92	4.44	13.51	9.42	257.3	43.79	WSW	80.26
SE625	09/02/2021	82.6	25.59	3.8	13.51	8.55	266.8	43.89	W	80.58
SE625	09/02/2021	82.6	25.54	3.44	13.51	8.33	270.8	43.84	W	80.58
SE625	09/02/2021	82.9	25.65	3.75	13.51	9.72	260.9	44.2	W	80.8
SE625	09/02/2021	82.9	25.86	4.3	13.51	9.21	268.1	44.42	W	80.82
SE625	09/02/2021	83	26.24	4.43	13.41	10.08	265.8	44.89	W	80.92
SE625	09/02/2021	82.7	27.06	3.91	13.47	10.3	268.8	45.43	W	80.76
SE625	09/02/2021	82.1	27.98	4.68	13.47	12.78	271.1	45.79	W	80.4
SE625	09/02/2021	81.9	28.66	4.48	13.48	12.35	268.4	46.25	W	80.31
SE625	09/02/2021	81.9	28.42	3.43	13.48	9.5	274.6	46.03	W	80.3
SE625	09/02/2021	82	28.44	3.5	13.48	9.86	264.4	46.13	W	80.37
SE625	09/02/2021	81.7	28.43	2.97	13.48	8.99	271.3	45.86	W	80.16
SE625	09/02/2021	81.9	28.7	4.11	13.48	8.77	258	46.29	WSW	80.32
SE625	09/02/2021	81.4	29.31	3.76	13.48	7.38	262.6	46.41	W	80.02
SE625	09/03/2021	81.6	28.98	3.73	13.48	8.77	260.4	46.28	W	80.13
SE625	09/03/2021	81.6	28.91	3.38	13.47	7.81	272.5	46.22	W	80.13
SE625	09/03/2021	81.6	29.38	3.29	13.48	9.13	260.8	46.64	W	80.16
SE625	09/03/2021	81.2	29.91	3.71	13.48	8.11	263.3	46.77	W	79.93
SE625	09/03/2021	80.7	30.14	3.37	13.48	7.46	270.4	46.53	W	79.89
SE625	09/03/2021	80.6	30.17	2.46	13.5	7.16	271	46.47	W	79.78
SE625	09/03/2021	80.9	30.01	1.96	13.49	5.26	270.2	46.59	W	79.75
SE625	09/03/2021	80.4	30.58	2.44	13.36	6.72	264.1	46.65	W	79.58
SE625	09/03/2021	79.7	31.42	2.5	13.31	7.31	266.5	46.75	W	
SE625	09/03/2021	79.29	31.94	1.77	13.27	5.56	271.6	46.83	W	
SE625	09/03/2021	78.33	32.95	2.61	13.24	5.26	250.4	46.81	WSW	
SE625	09/03/2021	77.76	33.61	1.58	13.2	5.34	237.5	46.83	WSW	
SE625	09/03/2021	76.66	34.74	1.6	13.16	4.23	222.8	46.73	SW	
SE625	09/03/2021	76.14	35.41	0.78	13.14	3.07	216.8	46.77	SW	
SE625	09/03/2021	75.23	36.5	0.39	13.11	2.49	239.8	46.76	WSW	
SE625	09/03/2021	74.32	37.78	0.74	13.1	3.07	174.3	46.86	S	
SE625	09/03/2021	73.64	38.86	0.17	13.09	1.53	191	47	S	
SE625	09/03/2021	73.31	39.08	0.17	13.08	1.31	228.7	46.85	SW	
SE625	09/03/2021	73.05	39.47	1.12	13.08	2.27	239.1	46.88	WSW	
SE625	09/03/2021	72.63	40.04	1.24	13.07	2.49	237.9	46.88	WSW	
SE625	09/03/2021	72.19	40.68	1.52	13.07	3.36	231.9	46.91	SW	
SE625	09/03/2021	71.64	41.37	1.75	13.06	3.8	268.5	46.85	W	
SE625	09/03/2021	71.18	41.83	1.17	13.06	2.05	254.6	46.73	WSW	
SE625	09/03/2021	71.15	41.69	1.28	13.05	2.77	226.6	46.61	SW	
SE625	09/03/2021	70.8	42.11	0.24	13.05	1.31	280.2	46.56	W	
SE625	09/03/2021	70.73	42.32	0.87	13.04	1.9	244.4	46.63	WSW	
SE625	09/03/2021	70.96	40.56	1.93	13.04	3.07	256.2	45.72	WSW	
SE625	09/03/2021	71.1	39.12	1.91	13.03	2.99	247.2	44.89	WSW	
SE625	09/03/2021	71.16	37.81	0.61	13.03	2.7	226.5	44.05	SW	
SE625	09/03/2021	71.73	33.11	2.04	13.02	5.04	140.3	41.1	SE	
SE625	09/03/2021	72.11	33.61	1.23	13.02	3.73	315.5	41.82	NW	
SE625	09/03/2021	71.73	33.91	1.43	13.02	3.65	84.5	41.72	E	
SE625	09/03/2021	71.73	31.06	1.3	13.01	4.82	46.19	39.45	NE	
SE625	09/03/2021	72.21	25.52	3.08	13.01	7.59	99.8	34.89	E	
SE625	09/03/2021	71.6	26.45	2	13	5.7	68.16	35.27	ENE	
SE625	09/03/2021	71.79	23.72	2.47	13	7.46	60.39	32.71	ENE	
SE625	09/03/2021	71.9	25.08	2.13	13	4.75	38.21	34.19	NE	
SE625	09/03/2021	72.43	22.83	1.31	12.99	3.8	108.7	32.31	ESE	
SE625	09/03/2021	71.35	23.22	2.13	12.99	4.89	93.6	31.81	E	
SE625	09/03/2021	71.13	22.97	2.58	12.98	6.21	111.8	31.35	ESE	
SE625	09/03/2021	70.81	23.2	1.99	12.98	3.88	66.11	31.33	ENE	
SE625	09/03/2021	71.54	22.42	2.77	12.98	5.63	75.93	31.11	ENE	



SE625	09/03/2021	70.88	22.65	2.52	12.97	5.7	81.5	30.8	E
SE625	09/03/2021	70.96	22.11	2.44	12.97	7.31	66.53	30.27	ENE
SE625	09/03/2021	71.54	21.62	3.54	12.96	7.09	66.75	30.21	ENE
SE625	09/03/2021	69.53	23.44	3.22	12.96	6.35	84.9	30.49	E
SE625	09/03/2021	69.67	23.72	3.36	12.96	7.89	92	30.9	E
SE625	09/03/2021	69.44	24.15	3.71	12.95	7.38	91.7	31.15	E
SE625	09/03/2021	69.19	24.65	3.76	12.95	8.77	78.42	31.44	ENE
SE625	09/03/2021	68.12	25.17	4.26	12.95	7.53	94.9	31.04	E
SE625	09/03/2021	68.22	25.91	3.89	12.94	7.01	76.93	31.84	ENE
SE625	09/03/2021	68.76	26.02	3.84	12.94	9.94	72.91	32.41	ENE
SE625	09/03/2021	68.51	27.12	4.21	12.94	11.02	80.9	33.22	E
SE625	09/03/2021	68.94	27.18	3.99	12.93	7.74	82.9	33.65	E
SE625	09/03/2021	68.46	27.65	5.11	12.93	9.42	83.2	33.66	E
SE625	09/03/2021	67.51	27.93	5.33	12.92	9.06	89.1	33.09	E
SE625	09/03/2021	67.31	28.47	4.89	12.92	9.06	94.4	33.39	E
SE625	09/03/2021	67.54	28.78	5.27	12.92	9.27	91.7	33.86	E
SE625	09/03/2021	67.08	29.3	5.12	12.91	11.02	88.6	33.91	E
SE625	09/03/2021	66.51	29.74	4.93	12.91	7.67	91.3	33.79	E
SE625	09/03/2021	67.37	29.77	4.03	12.91	9.79	78.14	34.56	ENE
SE625	09/03/2021	67.55	29.8	4.61	12.9	8.18	86.5	34.74	E
SE625	09/03/2021	67.2	30.31	4.78	12.9	9.13	83.9	34.86	E
SE625	09/03/2021	66.92	30.62	4.95	12.89	9.27	83	34.87	E
SE625	09/03/2021	67.01	30.83	5.18	12.89	11.47	79.75	35.13	E
SE625	09/03/2021	66.98	30.84	4.9	12.88	9.21	84.7	35.11	E
SE625	09/03/2021	66.61	31.58	4.04	12.88	8.62	89.2	35.38	E
SE625	09/03/2021	66.68	31.8	4.43	12.87	9.5	84.1	35.62	E
SE625	09/03/2021	66.45	32.34	4.51	12.87	10.45	89.3	35.84	E
SE625	09/03/2021	66.32	32.82	4.53	12.86	8.62	79	36.1	E
SE625	09/03/2021	66.39	32.65	4.21	12.86	7.67	88.6	36.03	E
SE625	09/03/2021	67.14	31.42	4.26	12.85	10.16	71.14	35.72	ENE
SE625	09/03/2021	67.03	31.72	5.08	12.85	10.01	77.64	35.86	ENE
SE625	09/03/2021	66.47	32.56	5.19	12.84	12.49	82.2	36.03	E
SE625	09/03/2021	66.7	31.76	4.19	12.83	9.5	74.64	35.6	ENE
SE625	09/03/2021	66.32	32.62	4.86	12.83	9.13	82.9	35.94	E
SE625	09/03/2021	65.78	32.8	4.68	12.82	8.91	88.7	35.6	E
SE625	09/03/2021	66.72	31.12	4.35	12.82	8.33	75.57	35.11	ENE
SE625	09/03/2021	66.57	31.28	3.89	12.81	8.99	73.08	35.1	ENE
SE625	09/03/2021	66.45	31.55	3.79	12.81	9.5	77.44	35.21	ENE
SE625	09/03/2021	66.16	32	4.11	12.8	10.3	81.8	35.32	E
SE625	09/03/2021	65.3	33.21	4.15	12.8	9.21	87.4	35.49	E
SE625	09/03/2021	66.02	31	3.04	12.8	6.35	70.7	34.4	ENE
SE625	09/03/2021	66.66	29.85	3.33	12.8	7.31	76.37	34.01	ENE
SE625	09/03/2021	66.44	30.9	4.07	12.81	6.65	85.5	34.68	E
SE625	09/03/2021	66.09	31.64	4.28	12.81	8.4	81.4	34.97	E
SE625	09/03/2021	65.96	31.83	3.53	12.83	7.09	68.62	35.01	ENE
SE625	09/03/2021	66.31	31.25	3.17	12.85	7.09	71.01	34.85	ENE
SE625	09/03/2021	66.71	31	2.91	12.98	6.28	52.15	35	NE
SE625	09/03/2021	68.48	29.32	2.08	13.4	6.06	72.8	35.15	ENE
SE625	09/03/2021	69.59	28.8	2.1	13.57	5.26	71.86	35.66	ENE
SE625	09/03/2021	69.54	29.81	3.14	13.63	5.63	86.2	36.49	E
SE625	09/03/2021	69.82	30.23	2.69	13.64	5.99	78.55	37.09	ENE
SE625	09/03/2021	71.34	28.93	2.65	13.62	4.89	94	37.3	E
SE625	09/03/2021	72.19	28.58	1.28	13.6	5.41	55.97	37.73	NE
SE625	09/03/2021	72.14	27.32	0.64	13.59	1.9	8.43	36.55	N
SE625	09/03/2021	73.08	25.85	0.34	13.58	1.61	334.9	35.96	NNW
SE625	09/03/2021	73.12	26.29	0.64	13.56	1.46	327.4	36.42	NNW
SE625	09/03/2021	73.85	26.9	0.44	13.56	1.24	326.9	37.63	NNW
SE625	09/03/2021	74.65	27.14	0.74	13.56	1.97	303	38.55	WNW
SE625	09/03/2021	75.92	28.95	1.25	13.56	3.43	221.2	41.31	SW
SE625	09/03/2021	75.59	28.87	1.99	13.55	3.8	245.9	40.95	WSW
SE625	09/03/2021	75.9	28.07	1.57	13.54	4.02	258	40.5	WSW



SE625	09/03/2021	75.49	26.69	2.44	13.55	5.91	256	38.85	WSW	
SE625	09/03/2021	75.29	25.62	2.22	13.54	4.75	259	37.64	W	
SE625	09/03/2021	75.95	25.17	2.01	13.54	4.1	275.9	37.75	W	
SE625	09/03/2021	76.9	24.76		13.56	4.89	272.9	38.15	W	
SE625	09/03/2021	77.2	24.47	2.08	13.56	4.6	276.5	38.11	W	
SE625	09/03/2021	77.98	23.86	1.17	13.55	3.14	284.1	38.13	WNW	
SE625	09/03/2021	78.68	23.81	2.14	13.54	5.85	271.1	38.68	W	
SE625	09/03/2021	79.18	23.65	1.77	13.54	4.53	277	38.93	W	
SE625	09/03/2021	79.83	23.58	2.4	13.54	6.57	276.3	39.41	W	
SE625	09/03/2021	79.62	24.05	3.48	13.54	7.67	272.1	39.73	W	
SE625	09/03/2021	79.89	24.84	3.49	13.54	6.43	269.5	40.79	W	
SE625	09/03/2021	80.1	24.98	3.6	13.54	7.16	270	41.12	W	78.98
SE625	09/03/2021	80.6	25.02	3.14	13.54	7.67	271.4	41.59	W	79.54
SE625	09/03/2021	81.2	24.74	2.58	13.54	6.13	275	41.81	W	79.59
SE625	09/03/2021	81.3	24.73	3.37	13.54	6.94	270.7	41.88	W	79.65
SE625	09/03/2021	81.8	24.6	2.9	13.54	6.79	274.9	42.18	W	79.97
SE625	09/03/2021	81.9	24.74	3.44	13.54	9.21	267.1	42.41	W	80.05
SE625	09/03/2021	82.4	24.47	3.32	13.52	7.46	274.7	42.55	W	80.37
SE625	09/03/2021	82.6	24.89	3.43	13.51	9.13	269.6	43.16	W	80.54
SE625	09/03/2021	83.2	24.47	2.84	13.51	8.18	269.7	43.24	W	80.94
SE625	09/03/2021	83.2	25.45	3.54	13.51	8.91	271.5	44.26	W	81.01
SE625	09/03/2021	83.7	25.56	3.32	13.51	8.62	274.2	44.8	W	81.39
SE625	09/03/2021	83.6	26.15	3.41	13.51	6.94	273.5	45.31	W	81.35
SE625	09/03/2021	83.6	27.09	3.36	13.51	7.67	277.7	46.24	W	81.43
SE625	09/03/2021	83.7	27.65	3.73	13.51	8.84	270.1	46.87	W	81.55
SE625	09/03/2021	83.4	28.55	4.05	13.51	8.69	267.9	47.45	W	81.4
SE625	09/03/2021	83.8	28.41	2.76	13.51	8.4	259.5	47.67	W	81.7
SE625	09/03/2021	83.9	28.95	3.84	13.51	8.84	268.8	48.26	W	81.82
SE625	09/03/2021	83.1	29.96	3.36	13.43	7.09	270.2	48.47	W	81.29
SE625	09/03/2021	82.8	30.55	4.21	13.49	8.26	273	48.73	W	81.12
SE625	09/03/2021	83.5	30.6	3.19	13.49	9.94	268.7	49.39	W	81.66
SE625	09/03/2021	83.6	30.74	4.04	13.48	10.59	266.8	49.59	W	81.76
SE625	09/03/2021	83.2	31.4	3.72	13.48	8.11	264.1	49.81	W	81.5
SE625	09/03/2021	82.9	31.75	3.64	13.48	9.06	256	49.85	WSW	81.3
SE625	09/03/2021	83.5	31.22	2.38	13.48	6.94	264.2	49.92	W	81.72
SE625	09/03/2021	83	31.84	3.3	13.48	8.77	276.9	50.01	W	81.39
SE625	09/03/2021	83.5	31.49	2.58	13.48	6.65	273.9	50.15	W	81.75
SE625	09/03/2021	83.5	31.53	2.61	13.48	6.72	278.5	50.19	W	81.76
SE625	09/03/2021	83.2	31.9	2.9	13.48	6.79	284.1	50.24	WNW	81.55
SE625	09/03/2021	82.8	32.39	2.54	13.48	5.63	289	50.29	WNW	81.29
SE625	09/03/2021	83.4	31.8	2.75	13.39	6.21	286.2	50.33	WNW	81.7
SE625	09/04/2021	83.6	31.65	2.52	13.44	7.24	285.6	50.38	WNW	81.85
SE625	09/04/2021	84	31.37	2.69	13.4	6.5	278.3	50.49	W	82.15
SE625	09/04/2021	83.6	31.96	2.78	13.43	7.53	273.2	50.64	W	81.88
SE625	09/04/2021	83.4	32.25	3.5	13.4	7.01	271.2	50.71	W	81.75
SE625	09/04/2021	83	32.88	2.83	13.41	7.01	275.4	50.87	W	81.49
SE625	09/04/2021	82.6	33.2	2.57	13.47	5.78	271.9	50.78	W	81.21
SE625	09/04/2021	82.2	33.57	2.1	13.46	4.75	280.3	50.72	W	80.94
SE625	09/04/2021	81.8	33.99	1.67	13.43	3.65	281.7	50.71	WNW	80.68
SE625	09/04/2021	81.4	34.46	1.67	13.37	3.58	284.8	50.72	WNW	80.44
SE625	09/04/2021	80.9	35.09	1.67	13.35	3.88	281.2	50.76	W	80.14
SE625	09/04/2021	80.6	35.41	1.77	13.24	4.82	279.1	50.74	W	79.96
SE625	09/04/2021	79.65	36.42	1.59	13.2	4.32	276.9	50.65	W	
SE625	09/04/2021	78.55	37.59	1.42	13.16	3.43	261	50.52	W	
SE625	09/04/2021	77.89	38.2	0.99	13.14	3.14	261.1	50.36	W	
SE625	09/04/2021	76.82	39.57	0.72	13.11	1.97	248.1	50.35	WSW	
SE625	09/04/2021	76.24	40.57	0.14	13.1	0.96	227.2	50.49	SW	
SE625	09/04/2021	75.74	41.34	0.43	13.09	1.61	245.6	50.55	WSW	
SE625	09/04/2021	75.21	42	0.48	13.08	1.97	244.9	50.5	WSW	
SE625	09/04/2021	75	42.44	1.06	13.08	2.85	259.4	50.59	W	
SE625	09/04/2021	74.45	43.25	0.36	13.07	1.68	272	50.6	W	



SE625	09/04/2021	74.26	43.34	0.26	13.07	1.61	297.8	50.48	WNW
SE625	09/04/2021	74.31	39.54	0.46	13.06	4.02	36.32	48.06	NE
SE625	09/04/2021	75.13	32.75	2.57	13.06	8.99	73.02	43.82	ENE
SE625	09/04/2021	76.78	24.39	3.53	13.05	9.72	88.4	37.67	E
SE625	09/04/2021	77.22	23.03	3.14	13.05	6.35	78.32	36.59	ENE
SE625	09/04/2021	77.29	22.69	2.95	13.04	7.31	70.76	36.27	ENE
SE625	09/04/2021	77.58	22.47	2.64	13.04	6.5	70.48	36.28	ENE
SE625	09/04/2021	77.6	21.95	2.89	13.04	6.13	58.11	35.7	ENE
SE625	09/04/2021	77	22.42	2.74	13.03	7.81	81.7	35.73	E
SE625	09/04/2021	77.19	21.4	2.75	13.03	6.35	50.74	34.72	NE
SE625	09/04/2021	77.65	21.05	1.6	13.03	4.82	66.45	34.7	ENE
SE625	09/04/2021	76.12	22.71	3.02	13.02	4.97	90.1	35.3	E
SE625	09/04/2021	75.34	23.47	3	13.02	6.65	85.2	35.47	E
SE625	09/04/2021	75.9	22.38	2.88	13.01	6.5	83.5	34.75	E
SE625	09/04/2021	75.67	22.64	4.03	13.01	7.53	75.53	34.85	ENE
SE625	09/04/2021	74.79	23.58	4.51	13.01	9.42	85.7	35.12	E
SE625	09/04/2021	74.92	22.99	4.43	13	7.67	78.37	34.59	ENE
SE625	09/04/2021	74.66	23.53	3.51	13	7.59	76.79	34.95	ENE
SE625	09/04/2021	74.9	22.92	3.26	12.99	7.16	76.36	34.5	ENE
SE625	09/04/2021	75.19	22.17	2.81	12.99	6.13	88	33.92	E
SE625	09/04/2021	74.82	22.37	1.45	12.98	3.73	84.2	33.83	E
SE625	09/04/2021	74.95	21.97	1.65	12.98	3.88	217.3	33.49	SW
SE625	09/04/2021	74.4	22.79	1.27	12.98	3.07	286.5	33.93	WNW
SE625	09/04/2021	73.81	23.27	1.3	12.97	4.1	121.1	33.95	ESE
SE625	09/04/2021	73.94	23.13	2.02	12.97	5.85	76.18	33.91	ENE
SE625	09/04/2021	73.56	23.25	0.6	12.96	3.07	55.75	33.72	NE
SE625	09/04/2021	74.79	21.64	1.4	12.96	4.53	257.5	32.98	WSW
SE625	09/04/2021	74.92	21.4	0.62	12.96	2.42	135	32.81	SE
SE625	09/04/2021	74.4	21.93	1.23	12.95	2.77	102.4	32.98	ESE
SE625	09/04/2021	74.43	21.88	1.06	12.95	2.27	225.2	32.95	SW
SE625	09/04/2021	74.4	22.32	1.37	12.95	5.91	237.9	33.42	WSW
SE625	09/04/2021	74.06	22.5	1.45	12.94	4.89	321.6	33.33	NW
SE625	09/04/2021	73.96	22.54	1.83	12.94	3.95	41.16	33.29	NE
SE625	09/04/2021	73.82	22.39	1.25	12.94	3.36	92.6	33	E
SE625	09/04/2021	74.09	21.73	1.06	12.93	2.85	37.43	32.49	NE
SE625	09/04/2021	74.12	21.64	1.14	12.93	3.43	155	32.41	SSE
SE625	09/04/2021	73.8	22.09	1.45	12.93	3.29	102.4	32.65	ESE
SE625	09/04/2021	73.22	22.74	0.93	12.92	2.55	318.2	32.88	NW
SE625	09/04/2021	73.14	22.47	1.5	12.92	6.21	99.7	32.52	E
SE625	09/04/2021	74.13	21.56	1.82	12.92	5.56	81.8	32.33	E
SE625	09/04/2021	73.75	22.16	2.21	12.91	4.53	242.8	32.69	WSW
SE625	09/04/2021	73.38	22.5	1.96	12.9	3.8	199.2	32.75	SSW
SE625	09/04/2021	73.45	22.33	1.28	12.9	3.07	186.7	32.62	S
SE625	09/04/2021	72.96	23.32	3.4	12.9	10.38	80	33.28	E
SE625	09/04/2021	72.31	24.02	3.59	12.9	10.89	75.04	33.47	ENE
SE625	09/04/2021	72.67	23.46	2.02	12.89	6.35	86.7	33.19	E
SE625	09/04/2021	72.85	22.91	1.92	12.89	4.45	48.62	32.75	NE
SE625	09/04/2021	73.45	22.59	2.57	12.88	8.48	85	32.91	E
SE625	09/04/2021	72.91	23.09	1.13	12.88	3.8	23.61	32.99	NNE
SE625	09/04/2021	73.43	22.46	1.51	12.87	3.8	314.6	32.75	NW
SE625	09/04/2021	73.34	22.65	1.39	12.87	3.8	28.4	32.88	NNE
SE625	09/04/2021	73.07	23.05	1.74	12.86	4.67	42.59	33.09	NE
SE625	09/04/2021	72.96	22.91	1.93	12.86	4.53	56.77	32.84	ENE
SE625	09/04/2021	72.85	23.23	1.62	12.85	4.6	63.49	33.09	ENE
SE625	09/04/2021	72.59	23.56	1.59	12.85	4.89	52.1	33.22	NE
SE625	09/04/2021	72.2	24.33	3.79	12.84	8.18	86.3	33.69	E
SE625	09/04/2021	72.16	24.64	3.97	12.84	8.26	87.9	33.97	E
SE625	09/04/2021	72.31	24.2	3.77	12.83	8.18	74.22	33.65	ENE
SE625	09/04/2021	71.84	24.77	3.61	12.83	9.27	72.15	33.83	ENE
SE625	09/04/2021	70.75	26.29	4.74	12.82	9.57	80.9	34.38	E
SE625	09/04/2021	71.25	25.73	4.5	12.82	9.72	76.62	34.27	ENE



SE625	09/04/2021	73.25	23.07	4.75	12.81	11.4	75.47	33.26	ENE	
SE625	09/04/2021	72.85	23.76	3.76	12.81	10.59	70.32	33.65	ENE	
SE625	09/04/2021	73	23.5	3.64	12.82	8.77	61.88	33.51	ENE	
SE625	09/04/2021	73.87	22.12	4.1	12.83	7.53	67.83	32.74	ENE	
SE625	09/04/2021	74.64	21.26	4.27	12.84	8.77	70.25	32.41	ENE	
SE625	09/04/2021	76.06	19.94	4.26	12.85	10.96	48.3	32.02	NE	
SE625	09/04/2021	76.41	19.7	2.73	12.87	5.99	45.4	32.01	NE	
SE625	09/04/2021	75.98	20.67	1.88	12.99	7.24	85.7	32.84	E	
SE625	09/04/2021	75.6	21.59	0.94	13.33	2.85	51.98	33.6	NE	
SE625	09/04/2021	75.62	22.93	2.02	13.48	5.11	83.9	35.12	E	
SE625	09/04/2021	76.5	21.64	1.42	13.56	5.85	30.51	34.42	NNE	
SE625	09/04/2021	76.24	21.86	0.93	13.58	2.34	4.45	34.45	N	
SE625	09/04/2021	76.87	23.84	0.76	13.57	2.55	77.54	37.16	ENE	
SE625	09/04/2021	76.86	24.27	0.56	13.55	2.27	18.82	37.61	NNE	
SE625	09/04/2021	77.65	23.38	0.4	13.54	2.19	15.89	37.34	NNE	
SE625	09/04/2021	77.84	23.39	1.2	13.53	3.73	90.9	37.51	E	
SE625	09/04/2021	77.94	23.19	0.19	13.52	1.39	306.7	37.38	NW	
SE625	09/04/2021	78.37	23.29	0.14	13.52	1.68	306.6	37.85	NW	
SE625	09/04/2021	79.07	23.67	0.18	13.52	1.17	313.5	38.86	NW	
SE625	09/04/2021	79.61	21.91	0.76	13.52	1.75	313.1	37.36	NW	
SE625	09/04/2021	79.62	21.21	0.89	13.52	1.83	321	36.54	NW	
SE625	09/04/2021	79.81	22.06	1.31	13.52	2.49	311.3	37.7	NW	
SE625	09/04/2021	80	22.51	1.44	13.52	3.36	287.5	38.37	WNW	
SE625	09/04/2021	79.77	23.13	1.77	13.51	3.65	258.8	38.87	W	
SE625	09/04/2021	80.5	22.27	1.23	13.52	2.42	273.5	38.52	W	79.3
SE625	09/04/2021	80.5	21.91	1.74	13.52	3.65	243.4	38.11	WSW	79.28
SE625	09/04/2021	81.6	20.74	1.67	13.52	3.14	257.1	37.64	WSW	79.63
SE625	09/04/2021	82.1	20.35	1.74	13.52	3.95	259.2	37.58	W	79.95
SE625	09/04/2021	81.8	19.78	2.24	13.51	5.04	271	36.62	W	79.72
SE625	09/04/2021	81.7	20.03	2.82	13.51	5.48	272.5	36.85	W	79.67
SE625	09/04/2021	82.1	20.44	2.57	13.51	5.91	260.4	37.69	W	79.95
SE625	09/04/2021	82.4	21.09	2.28	13.51	5.19	275.3	38.74	W	80.19
SE625	09/04/2021	82.9	21.62	2.31	13.51	4.1	274.5	39.79	W	80.56
SE625	09/04/2021	82.8	22.43	2.84	13.51	5.7	272	40.65	W	80.53
SE625	09/04/2021	83.5	22.75	2.54	13.51	6.28	276.8	41.61	W	81.05
SE625	09/04/2021	83.8	23.14	3	13.51	7.16	266.4	42.3	W	81.3
SE625	09/04/2021	84	23.63	3.21	13.51	7.53	271	43.01	W	81.48
SE625	09/04/2021	84.1	23.55	3.18	13.51	7.59	281.9	43.01	WNW	81.55
SE625	09/04/2021	84.6	23.56	3.53	13.51	7.89	271.7	43.45	W	81.94
SE625	09/04/2021	85.1	23.41	2.74	13.51	7.38	289.6	43.71	WNW	82.32
SE625	09/04/2021	85.5	23.37	2.51	13.51	6.72	274.9	44	W	82.64
SE625	09/04/2021	85.8	23.63	2.83	13.49	7.89	269.9	44.55	W	82.91
SE625	09/04/2021	86.5	23.63	2.27	13.47	6.5	290.5	45.14	WNW	83.5
SE625	09/04/2021	86.4	23.99	3.51	13.47	8.99	286.4	45.45	WNW	83.45
SE625	09/04/2021	87	23.88	2.49	13.47	5.78	263.2	45.84	W	83.96
SE625	09/04/2021	88	23.53	2.75	13.47	6.94	281.6	46.31	WNW	84.83
SE625	09/04/2021	87.9	24.04	3.59	13.48	8.4	282	46.79	WNW	84.8
SE625	09/04/2021	88.2	24.33	3.2	13.48	8.26	278.2	47.36	W	85.11
SE625	09/04/2021	88.3	24.51	2.32	13.48	5.7	291.9	47.64	WNW	85.23
SE625	09/04/2021	88.4	24.35	3.17	13.48	6.65	282	47.55	WNW	85.3
SE625	09/04/2021	89	24.26	2.82	13.38	7.74	265.9	47.97	W	85.87
SE625	09/04/2021	89.7	23.64	3.21	13.43	9.42	234.5	47.88	SW	86.48
SE625	09/04/2021	90.2	23.5	2.38	13.44	6.79	226.7	48.15	SW	86.96
SE625	09/04/2021	90.6	23.34	2.38	13.44	6.57	264.5	48.3	W	87.35
SE625	09/04/2021	90.2	23.58	2.96	13.44	7.53	252.9	48.24	WSW	86.97
SE625	09/04/2021	90.2	23.69	2.45	13.44	8.33	246.4	48.36	WSW	86.99
SE625	09/04/2021	90.3	23.31	2.99	13.36	8.18	220.9	48.02	SW	87.04
SE625	09/04/2021	90.5	23.75	2.92	13.32	7.09	247.9	48.68	WSW	87.31





Weather Verification Services

## STRIKENet<sup>®</sup> Report

<b>Claim or Reference #</b>	20-05-MAMP0J1
<b>Insured/Property Owner</b>	
<b>STRIKENet Report #</b>	11949184
<b>Coordinates</b>	Latitude 37.19545, Longitude -119.26808
<b>Search Period</b>	Sat, Aug 22, 2020 00:00 US PDT to Fri, Sep 04, 2020 23:59 US PDT
<b>Search Radius</b>	15 mi (24 km)
<b>Report Generated</b>	Sep 10, 2020 at 03:03:27 GMT

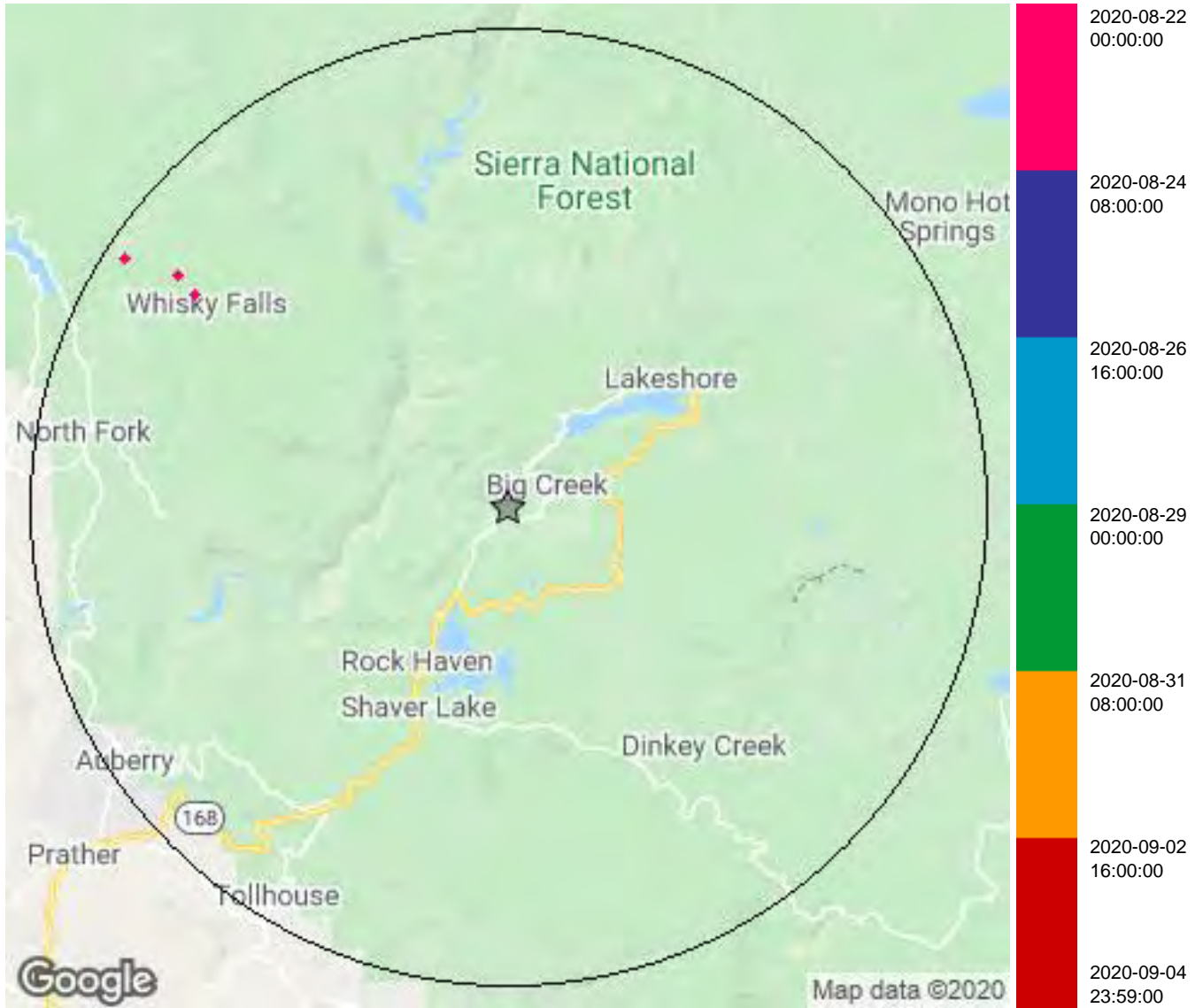
## Summary

**STRIKENet verified the presence of 3 cloud-to-ground lightning strokes detected within 15 miles of the property for the dates inquired.**

Thank you for using STRIKENet to validate lightning. Your report was generated by CoreLogic using data from Vaisala's National Lightning Detection Network<sup>®</sup> (NLDN), the most comprehensive lightning strike archive database in North America.

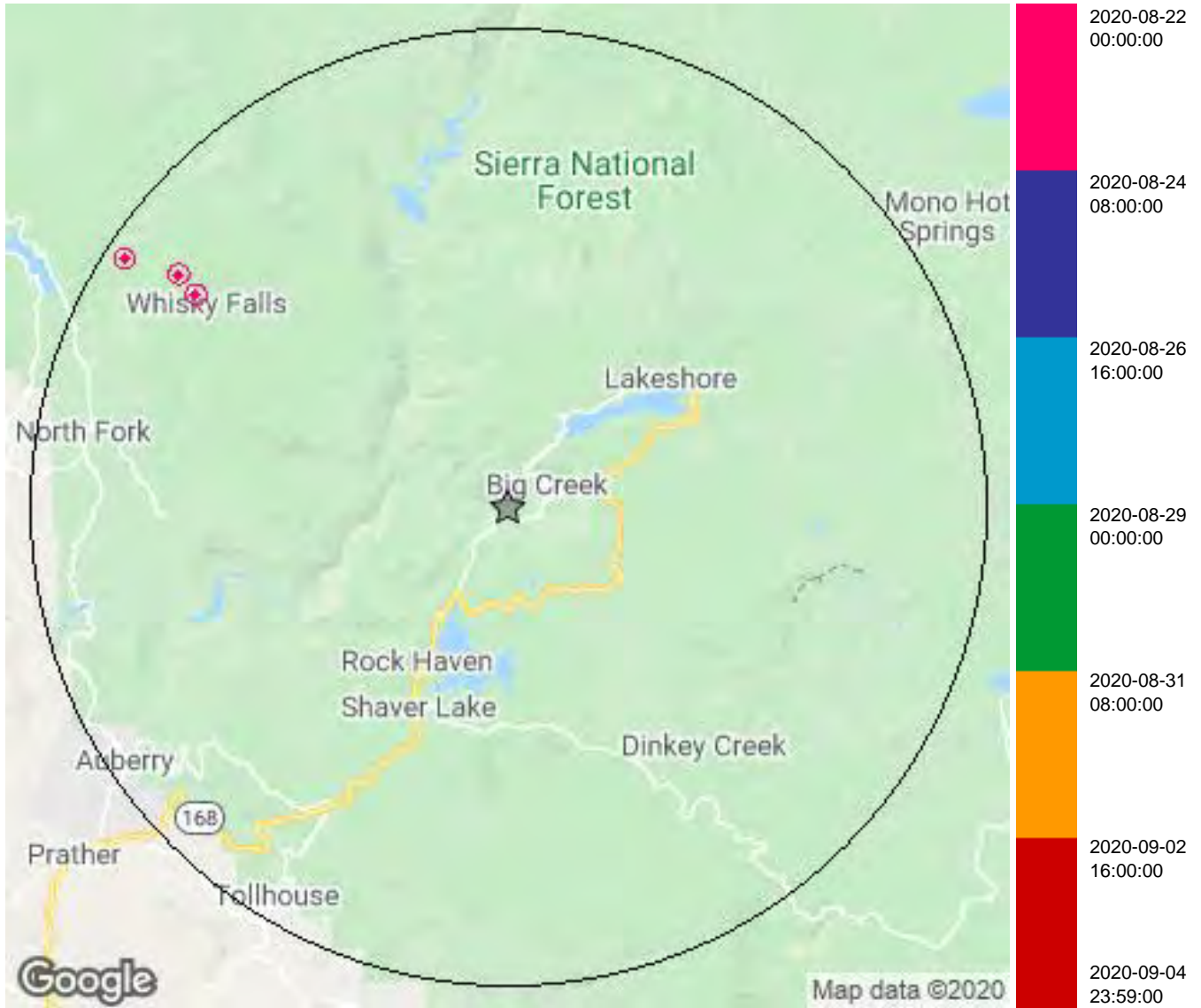


# Lightning Stroke Map





## Confidence Ellipses For Lightning Strokes



Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.



## Key Results

Lightning Strokes Detected within 15 mi (24 km)	3
---	---

### Number of Strokes Detected by Time Period

Period	# of Strokes
Sat, Aug 22, 2020 00:00 US PDT to Mon, Aug 24, 2020 08:00 US PDT	3
Mon, Aug 24, 2020 08:00 US PDT to Wed, Aug 26, 2020 16:00 US PDT	0
Wed, Aug 26, 2020 16:00 US PDT to Sat, Aug 29, 2020 00:00 US PDT	0
Sat, Aug 29, 2020 00:00 US PDT to Mon, Aug 31, 2020 08:00 US PDT	0
Mon, Aug 31, 2020 08:00 US PDT to Wed, Sep 02, 2020 16:00 US PDT	0
Wed, Sep 02, 2020 16:00 US PDT to Fri, Sep 04, 2020 23:59 US PDT	0

## Lightning Strokes

Date	Time (PDT)	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Aug 24, 2020	00:48:44	45	11.8/19	37.29126	-119.44533
Aug 24, 2020	00:47:05	40.3	12.6/20.2	37.30037	-119.45495
Aug 24, 2020	00:49:54	42.8	14.3/22.9	37.30737	-119.48575



## About STRIKENet®

Unlike other lightning verification methodologies, The STRIKENet Report uses 25-plus years of lightning data acquired from the U.S. National Lightning Detection Network® (NLDN) and the Canadian Lightning Detection Network (CLDN). First introduced by Vaisala, Inc. in 1989 and later enhanced by the 2014 CoreLogic acquisition of Weather Fusion—a value-added reseller of Vaisala's STRIKENet® Report—the lightning verification data that powers the STRIKENet Reports is industry-recognized as the standard for accuracy based on thousands of peer-reviewed citations.



## Important Legal Notice and Disclaimer

THIS REPORT AND THE CORRESPONDING DATA IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ONLY FOR INTERNAL USE BY THE INITIAL PURCHASER/END-USER RECIPIENT HEREOF. NOTWITHSTANDING THE FOREGOING, SUCH PURCHASER/END-USER MAY SHARE THIS REPORT WITH THE OWNER OF THE PROPERTY THAT IS THE SUBJECT OF THE REPORT. CORELOGIC, INC. AND/OR ITS SUBSIDIARIES OR AFFILIATES ("CORELOGIC") DO NOT ASSUME, AND EXPRESSLY DISCLAIM LIABILITY FOR ANY LOSS OR DAMAGE RESULTING FROM THE USE OF, OR ANY DECISIONS BASED ON OR IN RELIANCE ON, THIS REPORT AND THE CORRESPONDING DATA

THIS REPORT AND THE CORRESPONDING DATA ARE FURNISHED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, ACCURACY, COMPLETENESS, NON-INFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF THAT PURPOSE IS KNOWN TO CORELOGIC). SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO THE USER. IN THAT EVENT, ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO NINETY (90) DAYS FROM THE DATE OF THE REPORT AND TO THE DOLLAR AMOUNT OF THE REPORT.

THE CONTENTS OF THIS REPORT ARE PROTECTED BY APPLICABLE COPYRIGHT AND OTHER INTELLECTUAL PROPERTY LAWS AND MAY INCLUDE PROPRIETARY OR OTHER CONTENT OF THIRD PERSONS. NO PERMISSION IS GRANTED TO COPY, DISTRIBUTE, MODIFY, POST OR FRAME ANY TEXT, GRAPHICS, OR USER INTERFACE DESIGN OR LOGOS INCLUDED IN THIS REPORT. ALL USERS OF THIS REPORT AGREE TO HOLD HARMLESS CORELOGIC AND ITS AFFILIATES, EQUITY HOLDERS, DIRECTORS, OFFICERS, EMPLOYEES, CONTRACTORS, AGENTS, REPRESENTATIVES AND SUPPLIERS OF THIRD PARTY CONTENT FROM ANY USE OR MISUSE, MISAPPLICATION, ALTERATION OR UNAUTHORIZED DISCLOSURE OF THIS REPORT.

THIS NOTICE AND DISCLAIMER IS INTENDED TO FUNCTION IN HARMONY WITH THE CORELOGIC TERMS OF USE AVAILABLE ON THE WEATHER VERIFICATION SERVICES WEBSITE. IN THE EVENT OF ANY CONFLICT BETWEEN THE TWO DOCUMENTS, THE CORELOGIC TERMS OF USE SHALL GOVERN.

STRIKEnet AND NLDN ARE REGISTERED TRADEMARKS OF VAISALA.

### Scan to Verify Authenticity



*The original contents of this report are stored online in the original state provided by CoreLogic. Scan this QR Code and it will take you to a link to view the data and verify its authenticity.*





Weather Verification Services

## STRIKENet<sup>®</sup> Report

<b>Claim or Reference #</b>	20-05-MAMP0J1
<b>Insured/Property Owner</b>	
<b>STRIKENet Report #</b>	11964618 (Redo of Report #11949184)
<b>Coordinates</b>	Latitude 37.19545, Longitude -119.26808
<b>Search Period</b>	Sat, Aug 08, 2020 00:00 US PDT to Fri, Aug 21, 2020 23:59 US PDT
<b>Search Radius</b>	15 mi (24 km)
<b>Report Generated</b>	Sep 11, 2020 at 01:53:43 GMT

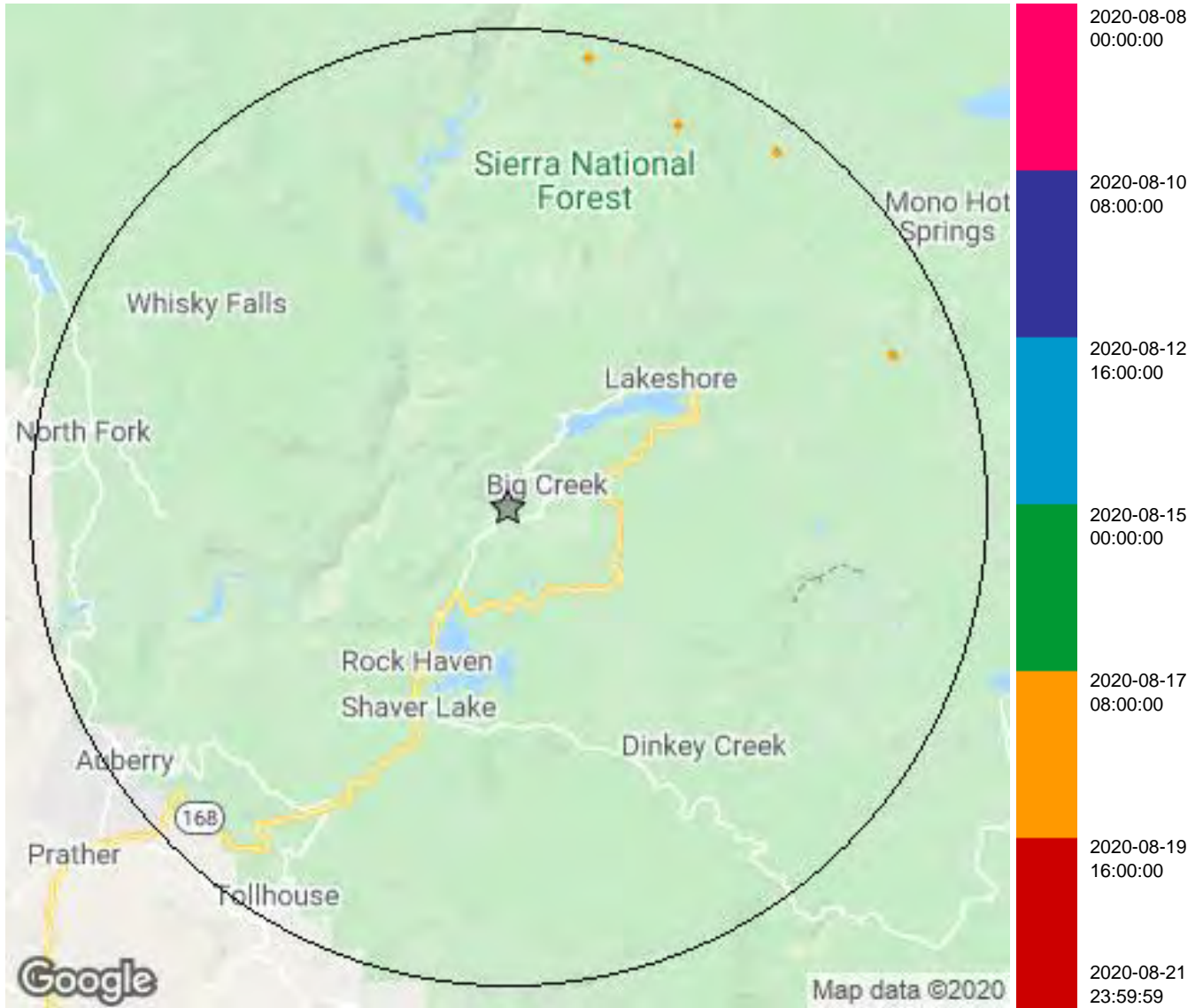
## Summary

**STRIKENet verified the presence of 4 cloud-to-ground lightning strokes detected within 15 miles of the property for the dates inquired.**

Thank you for using STRIKENet to validate lightning. Your report was generated by CoreLogic using data from Vaisala's National Lightning Detection Network<sup>®</sup> (NLDN), the most comprehensive lightning strike archive database in North America.

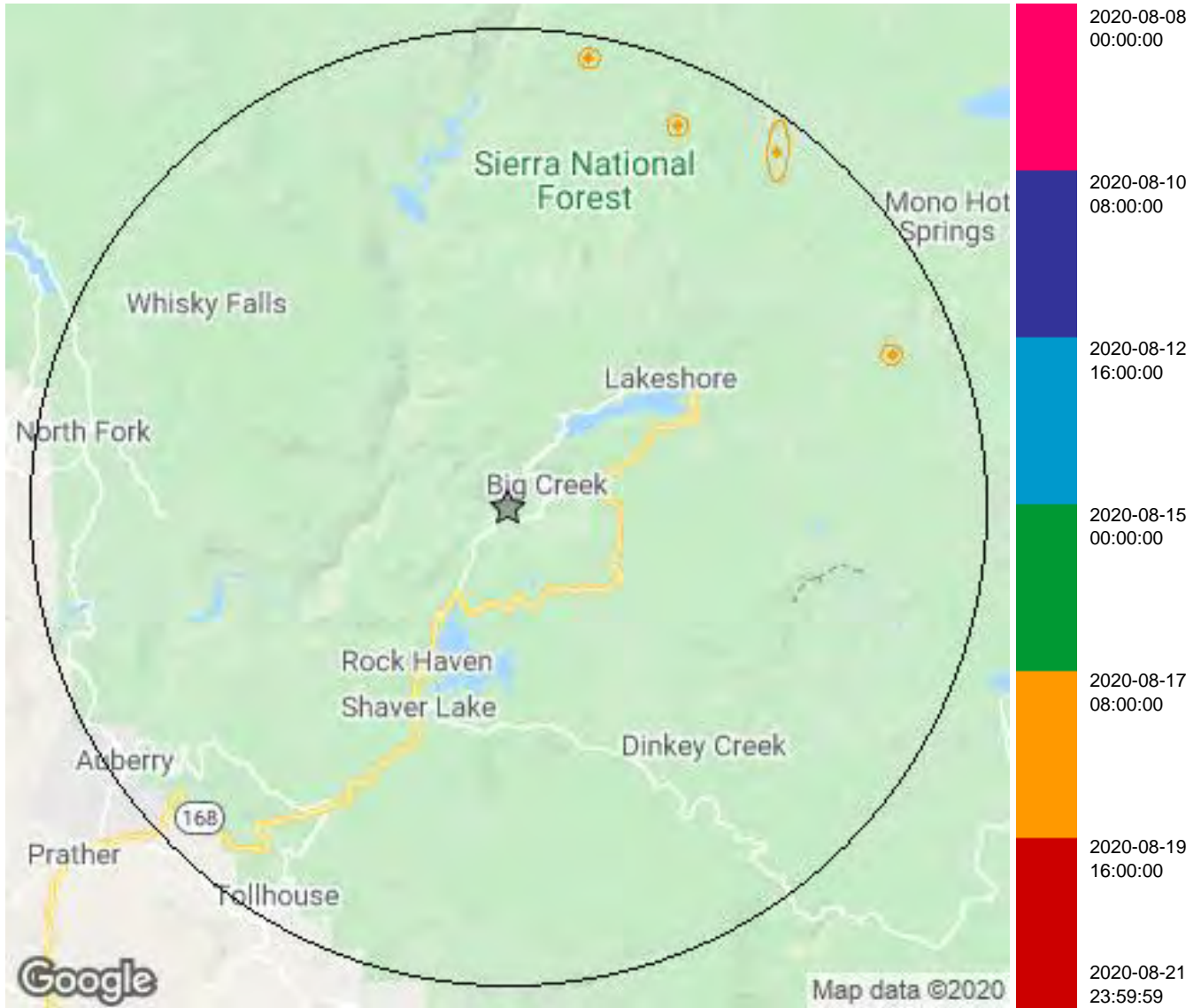


# Lightning Stroke Map





## Confidence Ellipses For Lightning Strokes



Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.



## Key Results

Lightning Strokes Detected within 15 mi (24 km)	4
---	---

### Number of Strokes Detected by Time Period

Period	# of Strokes
Sat, Aug 08, 2020 00:00 US PDT to Mon, Aug 10, 2020 08:00 US PDT	0
Mon, Aug 10, 2020 08:00 US PDT to Wed, Aug 12, 2020 16:00 US PDT	0
Wed, Aug 12, 2020 16:00 US PDT to Sat, Aug 15, 2020 00:00 US PDT	0
Sat, Aug 15, 2020 00:00 US PDT to Mon, Aug 17, 2020 08:00 US PDT	0
Mon, Aug 17, 2020 08:00 US PDT to Wed, Aug 19, 2020 16:00 US PDT	4
Wed, Aug 19, 2020 16:00 US PDT to Fri, Aug 21, 2020 23:59 US PDT	0

## Lightning Strokes

Date	Time (PDT)	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Aug 17, 2020	15:35:02	12.3	12.9/20.8	37.26401	-119.04963
Aug 17, 2020	16:58:18	-8.1	13/20.9	37.36724	-119.17162
Aug 17, 2020	15:40:02	14.9	13.9/22.4	37.35578	-119.11428
Aug 17, 2020	16:57:08	-6.8	14.2/22.9	37.39778	-119.22141



## About STRIKENet®

Unlike other lightning verification methodologies, The STRIKENet Report uses 25-plus years of lightning data acquired from the U.S. National Lightning Detection Network® (NLDN) and the Canadian Lightning Detection Network (CLDN). First introduced by Vaisala, Inc. in 1989 and later enhanced by the 2014 CoreLogic acquisition of Weather Fusion—a value-added reseller of Vaisala's STRIKENet® Report—the lightning verification data that powers the STRIKENet Reports is industry-recognized as the standard for accuracy based on thousands of peer-reviewed citations.



## Important Legal Notice and Disclaimer

THIS REPORT AND THE CORRESPONDING DATA IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ONLY FOR INTERNAL USE BY THE INITIAL PURCHASER/END-USER RECIPIENT HEREOF. NOTWITHSTANDING THE FOREGOING, SUCH PURCHASER/END-USER MAY SHARE THIS REPORT WITH THE OWNER OF THE PROPERTY THAT IS THE SUBJECT OF THE REPORT. CORELOGIC, INC. AND/OR ITS SUBSIDIARIES OR AFFILIATES ("CORELOGIC") DO NOT ASSUME, AND EXPRESSLY DISCLAIM LIABILITY FOR ANY LOSS OR DAMAGE RESULTING FROM THE USE OF, OR ANY DECISIONS BASED ON OR IN RELIANCE ON, THIS REPORT AND THE CORRESPONDING DATA

THIS REPORT AND THE CORRESPONDING DATA ARE FURNISHED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, ACCURACY, COMPLETENESS, NON-INFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF THAT PURPOSE IS KNOWN TO CORELOGIC). SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO THE USER. IN THAT EVENT, ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO NINETY (90) DAYS FROM THE DATE OF THE REPORT AND TO THE DOLLAR AMOUNT OF THE REPORT.

THE CONTENTS OF THIS REPORT ARE PROTECTED BY APPLICABLE COPYRIGHT AND OTHER INTELLECTUAL PROPERTY LAWS AND MAY INCLUDE PROPRIETARY OR OTHER CONTENT OF THIRD PERSONS. NO PERMISSION IS GRANTED TO COPY, DISTRIBUTE, MODIFY, POST OR FRAME ANY TEXT, GRAPHICS, OR USER INTERFACE DESIGN OR LOGOS INCLUDED IN THIS REPORT. ALL USERS OF THIS REPORT AGREE TO HOLD HARMLESS CORELOGIC AND ITS AFFILIATES, EQUITY HOLDERS, DIRECTORS, OFFICERS, EMPLOYEES, CONTRACTORS, AGENTS, REPRESENTATIVES AND SUPPLIERS OF THIRD PARTY CONTENT FROM ANY USE OR MISUSE, MISAPPLICATION, ALTERATION OR UNAUTHORIZED DISCLOSURE OF THIS REPORT.

THIS NOTICE AND DISCLAIMER IS INTENDED TO FUNCTION IN HARMONY WITH THE CORELOGIC TERMS OF USE AVAILABLE ON THE WEATHER VERIFICATION SERVICES WEBSITE. IN THE EVENT OF ANY CONFLICT BETWEEN THE TWO DOCUMENTS, THE CORELOGIC TERMS OF USE SHALL GOVERN.

STRIKEnet AND NLDN ARE REGISTERED TRADEMARKS OF VAISALA.

**Scan to Verify Authenticity**



*The original contents of this report are stored online in the original state provided by CoreLogic. Scan this QR Code and it will take you to a link to view the data and verify its authenticity.*





Weather Verification Services

## STRIKENet<sup>®</sup> Report

<b>Claim or Reference #</b>	20-05-MAMP0J1
<b>Insured/Property Owner</b>	
<b>STRIKENet Report #</b>	11964666 (Redo of Report #11949184)
<b>Coordinates</b>	Latitude 37.19545, Longitude -119.26808
<b>Search Period</b>	Sat, Jul 25, 2020 00:00 US PDT to Fri, Aug 07, 2020 23:59 US PDT
<b>Search Radius</b>	15 mi (24 km)
<b>Report Generated</b>	Sep 11, 2020 at 02:00:33 GMT

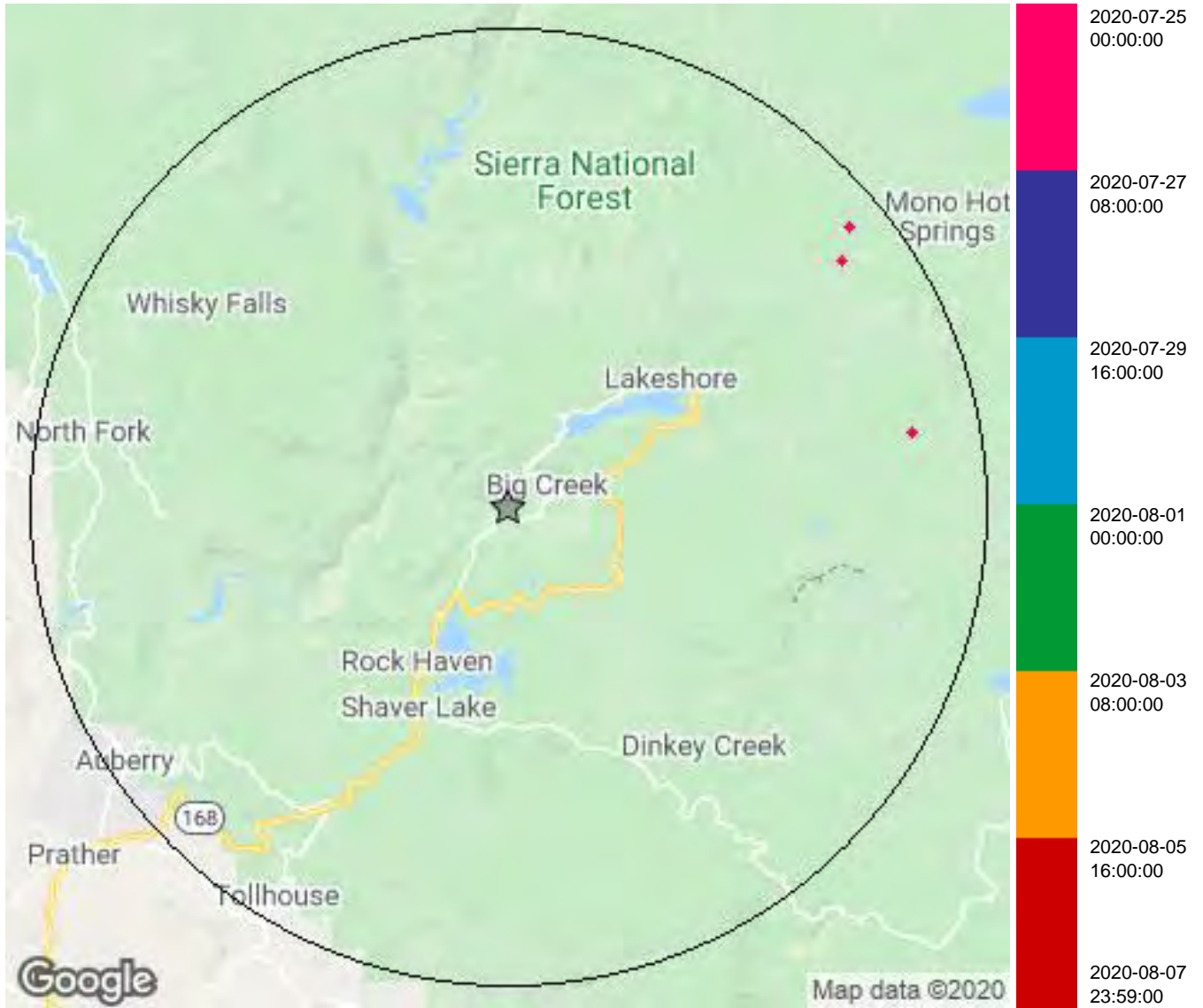
## Summary

**STRIKENet verified the presence of 3 cloud-to-ground lightning strokes detected within 15 miles of the property for the dates inquired.**

Thank you for using STRIKENet to validate lightning. Your report was generated by CoreLogic using data from Vaisala's National Lightning Detection Network<sup>®</sup> (NLDN), the most comprehensive lightning strike archive database in North America.

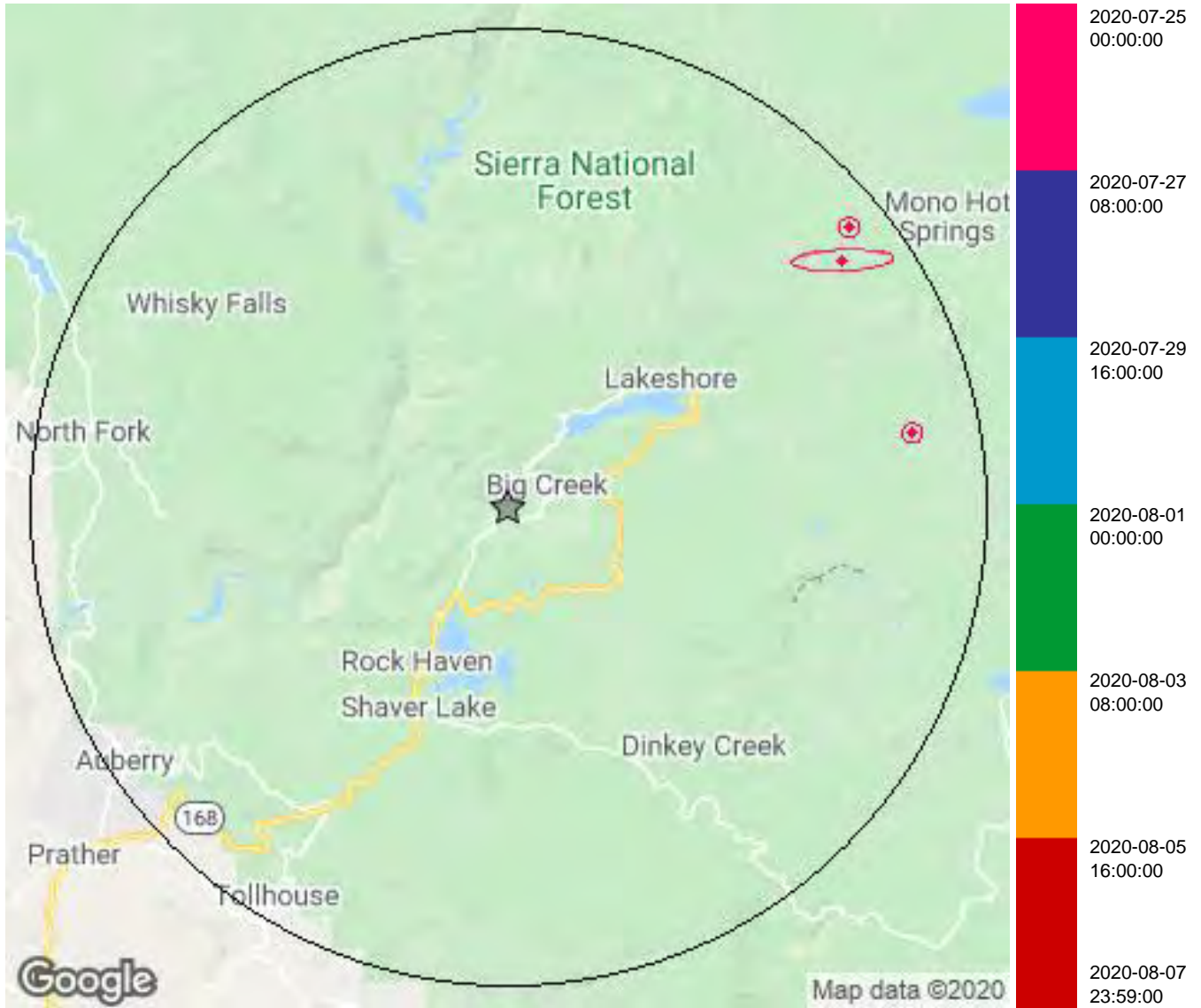


# Lightning Stroke Map





## Confidence Ellipses For Lightning Strokes



Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.



## Key Results

Lightning Strokes Detected within 15 mi (24 km)	3
---	---

### Number of Strokes Detected by Time Period

Period	# of Strokes
Sat, Jul 25, 2020 00:00 US PDT to Mon, Jul 27, 2020 08:00 US PDT	3
Mon, Jul 27, 2020 08:00 US PDT to Wed, Jul 29, 2020 16:00 US PDT	0
Wed, Jul 29, 2020 16:00 US PDT to Sat, Aug 01, 2020 00:00 US PDT	0
Sat, Aug 01, 2020 00:00 US PDT to Mon, Aug 03, 2020 08:00 US PDT	0
Mon, Aug 03, 2020 08:00 US PDT to Wed, Aug 05, 2020 16:00 US PDT	0
Wed, Aug 05, 2020 16:00 US PDT to Fri, Aug 07, 2020 23:59 US PDT	0

## Lightning Strokes

Date	Time (PDT)	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Jul 26, 2020	17:05:29	46.5	12.9/20.7	37.22855	-119.03798
Jul 25, 2020	15:30:49	11	13/20.9	37.30675	-119.07743
Jul 25, 2020	15:56:02	-9.9	13.8/22.2	37.32154	-119.07374



## About STRIKENet®

Unlike other lightning verification methodologies, The STRIKENet Report uses 25-plus years of lightning data acquired from the U.S. National Lightning Detection Network® (NLDN) and the Canadian Lightning Detection Network (CLDN). First introduced by Vaisala, Inc. in 1989 and later enhanced by the 2014 CoreLogic acquisition of Weather Fusion—a value-added reseller of Vaisala's STRIKENet® Report—the lightning verification data that powers the STRIKENet Reports is industry-recognized as the standard for accuracy based on thousands of peer-reviewed citations.



## Important Legal Notice and Disclaimer

THIS REPORT AND THE CORRESPONDING DATA IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ONLY FOR INTERNAL USE BY THE INITIAL PURCHASER/END-USER RECIPIENT HEREOF. NOTWITHSTANDING THE FOREGOING, SUCH PURCHASER/END-USER MAY SHARE THIS REPORT WITH THE OWNER OF THE PROPERTY THAT IS THE SUBJECT OF THE REPORT. CORELOGIC, INC. AND/OR ITS SUBSIDIARIES OR AFFILIATES ("CORELOGIC") DO NOT ASSUME, AND EXPRESSLY DISCLAIM LIABILITY FOR ANY LOSS OR DAMAGE RESULTING FROM THE USE OF, OR ANY DECISIONS BASED ON OR IN RELIANCE ON, THIS REPORT AND THE CORRESPONDING DATA

THIS REPORT AND THE CORRESPONDING DATA ARE FURNISHED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, ACCURACY, COMPLETENESS, NON-INFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF THAT PURPOSE IS KNOWN TO CORELOGIC). SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO THE USER. IN THAT EVENT, ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO NINETY (90) DAYS FROM THE DATE OF THE REPORT AND TO THE DOLLAR AMOUNT OF THE REPORT.

THE CONTENTS OF THIS REPORT ARE PROTECTED BY APPLICABLE COPYRIGHT AND OTHER INTELLECTUAL PROPERTY LAWS AND MAY INCLUDE PROPRIETARY OR OTHER CONTENT OF THIRD PERSONS. NO PERMISSION IS GRANTED TO COPY, DISTRIBUTE, MODIFY, POST OR FRAME ANY TEXT, GRAPHICS, OR USER INTERFACE DESIGN OR LOGOS INCLUDED IN THIS REPORT. ALL USERS OF THIS REPORT AGREE TO HOLD HARMLESS CORELOGIC AND ITS AFFILIATES, EQUITY HOLDERS, DIRECTORS, OFFICERS, EMPLOYEES, CONTRACTORS, AGENTS, REPRESENTATIVES AND SUPPLIERS OF THIRD PARTY CONTENT FROM ANY USE OR MISUSE, MISAPPLICATION, ALTERATION OR UNAUTHORIZED DISCLOSURE OF THIS REPORT.

THIS NOTICE AND DISCLAIMER IS INTENDED TO FUNCTION IN HARMONY WITH THE CORELOGIC TERMS OF USE AVAILABLE ON THE WEATHER VERIFICATION SERVICES WEBSITE. IN THE EVENT OF ANY CONFLICT BETWEEN THE TWO DOCUMENTS, THE CORELOGIC TERMS OF USE SHALL GOVERN.

STRIKEnet AND NLDN ARE REGISTERED TRADEMARKS OF VAISALA.

### Scan to Verify Authenticity



*The original contents of this report are stored online in the original state provided by CoreLogic. Scan this QR Code and it will take you to a link to view the data and verify its authenticity.*