

2019 Alaska SUESI/Vulcan towed system primary array arrangement

Spooled on blue InterOcean winch 5/1/19 and updated 5/3/19, CA

0	meters	SUESI 1	SUESI 1
			Kongsberg Altimeter
			Valeport
			Benthos
			Acoustics, LBL transmit 11.5 kHz
			receive 14.0 kHz
			Serial Communication and timing 2015 in ext. pressure case

70 ft lead-in rope used on 100m long antenna on winch

10.0	meters	end of 10 m x 2.25" near antenna (
17.6	meters	center of near antenna copper electrode (50ft/15.2m of 5/8" thick wall copper tube)
25.2	meters	end of near antenna copper electrode (50ft/15.2m of 5/8" thick wall copper tube)
164.1	meters	DIPOLE CENTER of 293 meter dipole
303.0	meters	end of 300 m 2.25" antenna on 3m strain relief (303m total length)
310.6	meters	center of long antenna copper electrode (50ft/15.2m of 5/8" thick wall copper tube)
318.2	meters	End of copper on long (260m) antenna

336	meters	ATET 2013 Antenna Tail End Telemetry (center of harness)	Optical isolation and serial communication 2012. Address=1 Termination required
			RS422 Serial communication 2013 Address=2
			Paroscientific Depth Gauge to SDL 2013
			Compass to SDL 2013

836.7	meters	Vulcan 1 Data Logger System (center of Y-axis dipole)	8 channel data logger dipole
			ch.1 E-field, X, wing, horizontal 1 meter
			ch.2 E-field, Y, stinger, horizontal 2 meter
			ch.3 E-field, Y, fin, vertical 1 meter
			ch.4 Accelerometer, X, wing, horizontal
			ch.5 Accelerometer, Y, stinger, horizontal
			ch.6 Accelerometer, Y, fin, vertical
			Serial communication and timing 2017 Address=3
			Paroscientific Depth Gauge to SDL 2015
			Compass to SDL 2015

844.5	meters	LBL C/TET with deaton acoustics (center of LBL ducer) - 0.3 m fwd of frame	Acoustics, LBL Deaton acoustic unit SN DA-1120 transmit frequency = 12.5 kHz receive frequency = 8.0 kHz
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