

## WGS Systems, LLC. Calibration Site Antenna Information

LATITUDE, LONGITUDE LOCATIONS		TOWER NUMBER	ANTENNA	ANTENNA FREQUENCY BANDS; CURRENT	ANTENNA VENDOR/ MODEL NO.	SITE BAND COVERAGE	RADIO FREQUENCY POWER OUTPUT MAX/(TYPICAL) WATTS	MATCHING ROTOR VENDOR / PART NO.
39 34'40.12"N	79 41'52.46"W	1	N/A	N/A	N/A	N/A	N/A	N/A
39 34'48.68"N	79 41'47.18"W	4	HF VERT (MON)	2-30 MHz	ANDREW / 794-105HE	2-30 MHz	1000 / (50)	NO ROTOR
39 34'42.78"N	79 41'50.23"W	5	VHF HOR	20-100 MHz	M2 / 20-100MHZ LPA	30-100 MHz	250 / (20)	ORION / OR-2800P
39 34'43.27"N	79 41'48.97"W	3	VHF VERT	20-100 MHz	M2 / 20-100MHZ LPA	30-100 MHz	250 / (20)	ORION / OR-2800P
39 34'44.29"N	79 41'51.26"W	6	UHF VERT 1	50-1300 MHz	CR. DES. CLP-5130-1	100-1000 MHz	100 / (10)	ORION / OR-2800P
39 34'43.08"N	79 41'50.80"W	7	UHF VERT 2	50-1300 MHz	CR. DES. CLP-5130-1	100-1000 MHz	100 / (10)	ORION / OR-2800P
39 34'43.22"N	79 41'52.33"W	2	UHF HOR 1	100-1000 MHz	CR. DES. CLP-5130-1	100-1000 MHz	100/(10)	ORION / OR-2800P
39 34'43.08"N	79 41'50.80"W	7	UHF HOR 2	50-1300 MHz	CR. DES. CLP-5130-1	100-1000 MHz	100/(10)	ORION / OR-2800P
39 34'43.66"N	79 41'50.03"W	8	L-BAND HOR	1000-2000 MHz	AEL INC. #H-500R	1000-2000 MHz	50/(10)	ORION / OR-2800P
39 34'42.78"N	79 41'50.23"W	5	L-BAND VERT	1000-2000 MHz	AEL INC. #H-500R	1000-2000 MHz	50/(10)	ORION / OR-2800P
39 34'46.66"N	79 41'50.03"W	X	TELEMETRY	403 MHz	RFS BA6110	403 MHz	25/(10)	NO ROTOR
39 34'43.39"N	79 41'50.20"W	9	GPS	1.75GHz	DATUM/TRIMBLE 28529-61	N/A	N/A	NO ROTOR
39 34'43.43"N	79 41'49.97"W	10	COMMS (VHF3)	142.05 MHz	DIAMOND DISCONE D-130J		40	NO ROTOR
39 34'45.37"N	79 41'47.31"W	11	N/A	N/A	N/A	N/A	N/A	WEST POINT
39 34'45.39"N	79 41'46.28"W	13	HOR BROADBAND DIPOLE	2-30 MHz	ANDREW/1765-101-3K	2-30 MHz	1000 / (50)	CENTER POINT
39 34'45.40"N	79 41'45.25"W	12	N/A	N/A	N/A	N/A	N/A	EAST POINT
39 34'43.43"N	79 41'49.97"W	14	ANALYSIS LOW	25-1300 MHz	ICOM AH-7000	.009-2900 MHz		NO ROTOR
39 34'43.25"N	79 41'49.96"W	15	ANALYSIS HIGH	25-1300 MHz	ICOM AH-7000	.009-6500 MHz		NO ROTOR
39 34'42.90"N	79 41'51.47"W	16	HF HOR	2-30 MHz	ANDREW / 2004-32-25	2-30 MHz	1000 / (50)	PROSISTEL/PST71D
39 34'43.66"N	79 41'50.03"W	17	S-BAND VERT	1000-18000 MHz	ARA/PRA118	2000-4200 MHz	25/(10)	PROSISTEL/PST71D
39 34'43.66"N	79 41'50.03"W	17	S-BAND HOR	1000-18000 MHz	ARA/PRA118	2000-4200 MHz	25/(10)	PROSISTEL/PST71D
39 34'41.3"N	79 41'53.9"W	18N	HF VERT-2	2.5 - 30 MHz	ANDREW 2726-2K	2.5 - 30 MHz	1000/(50)	39 34'40"N (CENT PT)
39 34'39.3"N	79 41'53.7"W	18S	HF VERT-2	2.5 - 30 MHz	ANDREW 2726-2K	2.5 - 30 MHz	1000/(50)	079 41'53.8" (CENT PT)

TOWER NUMBER	TOWER HEIGHT	ANTENNA NAME	COAX CABLE TYPE NAME ANDREW	COAX CABLE TOTAL LENGTH (A)	SHELTER SIDE ENTRY LOCATION (EAST/WEST) (B)	ANTENNA GAIN LOW END dBi	ANTENNA GAIN HIGH END dBi	AMPLIFIER VENDOR/MODEL	FREQUENCY RANGE	MAX. POWER	SIGNAL GENERATOR	FREQUENCY RANGE
1	86 FT.		LDF4-50A	455 FT.	EAST							
4	71 FT.	HF VERT (MON)	LDF4-50A	644 FT.	WEST	3	3	AR1000A100	10 kHz - 100 MHz	1000 W	N5181A-503	100 kHz - 3 GHz
5	60 FT.	VHF HOR	LDF4-50A	138 FT.	EAST	8	8	AR 250W1000A	80 - 1000 MHz	250 W	N5181A-503	100 kHz - 3 GHz
3	60 FT.	VHF VERT	LDF4-50A	188 FT.	EAST	8	8	AR 250W1000A	80 - 1000 MHz	250 W	N5181A-503	100 kHz - 3 GHz
6	90 FT.	UHF VERT 1	LDF6-50A	274 FT.	WEST	8	8	AR100W1000M1	80 - 1000 MHz	100 W	N5181A-503	100 kHz - 3 GHz
7	30 FT.	UHF VERT 2	LDF4-50A	76 FT.	WEST	8	8	AR100W1000M1	80 - 1000 MHz	100 W	N5181A-503	100 kHz - 3 GHz
2	60 FT.	UHF HOR 1	LDF5-50A	270 FT.	WEST	8	8	AR100W1000M1	80 - 1000 MHz	100 W	N5181A-503	100 kHz - 3 GHz
7	20 FT.	UHF HOR 2	LDF4-50A	81 FT.	WEST	8	8	AR100W1000M1	80 - 1000 MHz	100 W	N5181A-503	100 kHz - 3 GHz
8	20 FT.	L-BAND HOR	LDF5-50A	70 FT.	EAST	15	15	PST AR1929-50	1 - 2 GHz	50 W	N5181A-503	100 kHz - 3 GHz
5	60 FT.	L-BAND VERT	LDF5-50A	140 FT.	EAST	15	15	PST AR1929-50	1 - 2 GHz	50 W	N5181A-503	100 kHz - 3 GHz
13	80 FT.	HF FANNED DIPOLE	LDF5-50A	416 FT.	EAST	8	8	AR1000A100	10 kHz - 100 MHz	1000 W	N5181A-503	100 kHz - 3 GHz
16	198 FT.	HF HOR	LDF4-50A	376 FT.	EAST	-13	8	AR1000A100	10 kHz - 100 MHz	1000 W	N5181A-503	100 kHz - 3 GHz
17	20 FT.	S-BAND VERT	LDF5-50A	88 FT.	WEST	20.2	25.1	AR25SIG4A	800-4200 MHz	25 W	N5181A-503	100 kHz - 3 GHz
17	20 FT.	S-BAND HOR	LDF5-50A	88 FT.	WEST	20.2	25.1	AR25SIG4A	800-4200 MHz	25 W	N5181A-503	100 kHz - 3 GHz
18	140 FT.	HF-VERT-2	LDF5-50A	639 FT.	WEST	5.84	8.11	AR1000A100	2.5 - 30 MHz	1000W	N5181A-503	100 kHz - 3 GHz

