

Maintenance Checklist for Reset Visits		Task Time in	<u>34.30</u>	Total Site Time
Activities	Date Accomplished/Notes	Hours	<u>Total</u> <u>Instrument</u> <u>Time</u>	
AERI	29-Jan-04		<u>2.60</u>	
Actuate Hatch Sensor with Moisture/Check Hatch Operation Visually	ok	0.10		
Clean Out Air Intake and Coarse Filter	ok	0.20		
Inspect Blower Belt	ok	2.00		
Clean Mirror	ok	0.30		
AWS	25-Jan-04		<u>0.60</u>	
Check SAT phone cables & connections	ok	0.30		
Check fan in AWS Sat Phone	ok	0.30		
BBSS	29-Jan-04		<u>0.40</u>	
Inspect Exterior Cables Going to Antenna	ok	0.20		
Inspect Bolts Holding Antenna to Van	ok	0.20		
CEIL	25-Jan-04		<u>0.30</u>	
Inspect Glass/Check for Nests	ok	0.30		
CIMEL	27-Jan-04		<u>0.40</u>	
Check Battery Voltage	Batteries ok	0.20		
Check Belt	ok	0.20		
COMM (Observer Laptop)	23-Jan-04		<u>2.50</u>	
Check operation	New PC installed	2.50		
Verify software and HandS is on laptop		0.00		
Reboot PC & see if it comes back up ok		0.00		
Check Internet browser		0.00		
Check E-mail		0.00		
Check word processing software		0.00		
Check Excel software		0.00		
Verify Virus Protection is working		0.00		
Verify backup is set up		0.00		
Verify Surge Protection is working		0.00		

Check printing documents		0.00		
Check remote dial in		0.00		
COMM (Satellite Phone)	23-Jan-04		<u>0.20</u>	
Check antenna and connections for rust	ok	0.20		
DATA LOGGERS	28-Jan-04		<u>0.00</u>	
Pressure Check	ok	0.00		
DC POWER	22-Jan-04		<u>2.00</u>	
Check battery connections		2.00		
Check fluid levels		0.00		
GENSET	30-Jan-04		<u>12.00</u>	
Check diesel tank fuel gage operation	Genset maintenance by	12.00		
Check 12-Volt Batteries with Hydrometer	Hasting Deering	0.00		
Check Fuel Gage		0.00		
Check Fuel Gage Cover		0.00		
Check genset for oil and fluid leaks		0.00		
Cycle Diesel Fuel through Racor filters		0.00		
ES&H			<u>1.60</u>	
Check operation/batteries of Defibrillator	26Jan checked ok	0.20		
		0.30		
Fire Extinguishers - check gages/operation	26Jan checked ok			
		0.30		
First Aid Kits - check contents and restock	30-Jan-04			
Compressed Gas Cylinders - check for Rust/Caps On/Safe Storage	26Jan checked - some signs of rust	0.30		
Check operation of Kidde Nighthawk Smoke/Fire/CO Detectors	26Jan checked ok	0.50		
H2 GEN	25-Jan-04		<u>0.50</u>	
Check water level in storage tank	ok	0.10		
Verify air pressure in water pump is 13 psi with foot pump/gage	ok	0.20		

Check blower fan in RBL launch plunger area	ok	0.20		
IRT (Skyrad & Gndrad)	25-Jan-04		<u>0.30</u>	
Corrosion Check	ok	0.10		
Check mirror surface coating closely	ok	0.10		
Check Lens	ok	0.10		
MFRSR	25-Jan		<u>0.40</u>	
Check Level	ok	0.20		
Check Alignment N-S	ok	0.20		
MMCR	MMCR not functioning		<u>0.50</u>	
Activities		0.00		
Check operation of 12VDC Fan for Lotech MUX 488/64		0.00		
Check Operation of Antenna Heater Element		0.00		
Check operation of Antenna Heater Blower	Blower replaced	0.50		
Check Radome Fabric		0.00		
Clean Receiver/modulator Interface filters		0.00		
Clean Computer filters (foam)		0.00		
Check Antena Heater, inlet port, viewing window		0.00		
Check Radian Receiver Fan and Clean Filter		0.00		
Check TWT inline desiccant		0.00		
Clean TWT Amplifier Air Filter		0.00		
		0.00		
Change-Out:		0.00		
Antenna Heater Filters		0.00		
TWTA Desiccant		0.00		
MPL	25-Jan-04		<u>0.20</u>	
Clean Top Glass		0.10		
Check Shade and Mechanism		0.10		

MWR	24-Jan-04		<u>1.40</u>	Instrument faulty
Check Teflon Window Condition	Window ok	0.10		Error in V/F converter
Check Fan Screen for Reduced Air Flow	ok	0.10		
Check Heater Operation	Heater power plug burnt out	1.00		
Check Instrument for Level	ok	0.20		
NIP	23-Jan-04		<u>1.00</u>	
Visual Check	Checked as part of tracker alignment	1.00		
	Checked multiple times during day			
OTHER (Pick-up Truck)	26-Jan-04		<u>0.60</u>	
Inspect Vehicle for Damage	No signs of new damage	0.30		
Inspect for Rust	Rust all over vehicle	0.30		
PIR	25-Jan-04		<u>0.10</u>	
Check Ventilator Operation and Screen	Fan not functioning on 1 ventilator, fault traced to o/c fuse - replaced and tested ok	0.10		
PSP	25-Jan-04		<u>0.10</u>	
Check Ventilator Operation and Screen	Checked ok	0.10		
SMET	25-Jan-04		<u>0.70</u>	
Visually Check Tower for Animal Nests on Anemometer	ok	0.10		
Check TRH Fan for operation	Fan replaced	0.50		
Check mounting pipe for rusting	ok	0.10		
TKR (Brusag Solar Tracker)	N/A		<u>0.00</u>	
Apply rust & sieze protection to bolts		0.00		
Grease (use silicone spray) hinge parts of shading arm		0.00		

TKR (Kipp & Zonen Solar Tracker)	28-Jan-04		<u>0.70</u>	
Apply rust & sieze protection to bolts	ok	0.30		
Grease (use Aero Shell #17 grease) Azimuth & Zenith worm gear drives	ok	0.40		
VAN	30-Jan-04		<u>0.40</u>	
Inspect Vans for Rust		0.00		
Check Dehumidifier Operation/draining	ok	0.40		
VSAT	22-Jan-04		<u>0.10</u>	
Check voice over IP functions	Used service as test	0.10		
WSI	30-Jan-04		<u>4.70</u>	
Check Coolant Flow	Additional leak found	3.00		All amall diameter
Check for Cloudy Coolant in lines	ok	0.20		hoses replaced
Check for Corrosion	ok	0.30		Lines bleed and
Check both Sealants to Verify Seal	ok	1.00		coolant topped up
Check to See If N2 Charge Is Needed	ok	0.10		dome pressure to be
Check heater operation	ok	0.10		checked tomorrow
				to see if leaking