

Maintenance Checklist for Reset Visit SV0402M		
Activities	Date Accomplished/Notes	Task Time in quarter hours
AERI		
Actuate Hatch Sensor with Moisture/Check Hatch Operation Visually	N/A Manus	
Clean Out Air Intake and Coarse Filter	N/A Manus	
Inspect Blower Belt	N/A Manus	
Clean Mirror	N/A Manus	
AWS		
Check SAT phone cables & connections	Checked 18 Feb 04	0.5
BBSS		
	19-Feb-04	
Inspect Exterior Cables Going to Antenna	Reterminated earth connection	1
Inspect Bolts Holding Antenna to Van	Checked correct	0.5
CEILOMETER		
	19-Feb-04	
Inspect Glass/Check for Nests	Clear	0.2
CIMEL		
Check Battery Voltage	N/A Manus	
Check Belt	N/A Manus	
DATA LOGGERS		
	19-Feb-04	
Pressure Check	Pressures checked	0.5
DC POWER SYSTEM		
Check battery connections	Batteries changed out 18 Feb 04	2
Check fluid levels	Gel cells	
EMERGENCY GENERATOR		
	19-Feb-04	
Check diesel tank fuel gage operation	Correct	0.2
Check 12-Volt Batteries with Hydrometer	Correct	0.2
Check Fuel Gage	Correct	0.2
Check Fuel Gage Cover	Correct	0.2
Check genset for oil and fluid leaks	Genset Tech on site check	0.2
Cycle Diesel Fuel through Racor filters	Cycled	2
ES&H		
Check operation/batteries of Defibrillator	Check complete 18 Feb 04	0.5
Fire Extinguishers - check gages/operation	Check complete 18 Feb 04 One of two ,CO2 extinguisher in U -Van Genset has no pressure gage so operational readiness could not be checked	0.5
First Aid Kits - check contents and restock	restock list made 18 Feb 04	0.5

Compressed Gas Cylinders - check for Rust/Caps On/Safe Storage	Check complete 18 Feb 04	0.5
Check operation of Kidde Nighthawk Smoke/Fire/CO Detectors	Check complete 18 Feb 04	1
H2 GENERATOR	16/17 Feb 04	
Check water level in storage tank	Full	0.5
Verify air pressure in water pump is 13 psi with foot pump/gage	Correct 17Feb04	0.5
Check blower fan in RBL launch plunger area	Checked during RBL maintenance	0.5
IRT	19-Feb-04	
Corrosion Check	nil corrosion cleared wasp nest	0.5
Check mirror surface coating closely	Replaced mirror 10:30 Local	0.5
Check Lens	Lens checked IRT sky & IRT Gnd	0.5
LAPTOP (observer)	Observer PC installed 18Feb 04	5
Check operation	Operation correct	
Verify software and HandS is on laptop	SDL updated	
Reboot PC & see if it comes back up ok	Reboot succesful	
Check Internet browser	Browser correct	
Check E-mail	E-Mail correct	
Check word processing software	Word processing correct	
Check Excel software	Excel correct	
Verify Virus Protection is working	Virue definition files updated, Auto update set	
Verify backup is set up	Backup set	
Verify Surge Proctection is working	UPS installed	
Check printing documents	Print correct	
Check remote dial access	Remote access correct	
MFRSR	19-Feb	
Check Level	Level	0.2
Check Alignment N-S	Alignment correct	0.2
MMCR	19-Feb-04	
Activities		
Check operation of 12VDC Fan for Lotech MUX 488/64	checked	0.5
Check Operation of Antenna Heater Element	checked	0.5
Check operation of Antenna Heater Blower	Operation correct	0.5
Check Radome Fabric	Radome fabric condition good	
Clean Receiver/modulator Interface filters	cleaned	0.5
Clean Computer filters (foam)	cleaned	0.5
Check Antena Heater, inlet port, viewing window	Clear	0.5
Check Radian Receiver Fan and Clean Filter	Replaced filter	0.5

Check TWT inline desiccant	Replaced inline desiccant	0.5
Clean TWT Amplifier Air Filter		
Change-Out:		
Antenna Heater Filters	Replaced	0.5
TWTA Desiccant	Changed	0.5
MPL		
Clean Top Glass	Cleaned 19Feb 04	0.5
Check Shade and Mechanism	Reset timer 18 Feb 04	0.5
MWR	18-Feb-04	
Check Teflon Window Condition	Condition good	0.3
Check Fan Screen for Reduced Air Flow	New Fan installed	1
Check Heater Operation	Heater blower assembly replaced and checked	1
Check Instrument for Level	Checked level correct	0.3
NIP	19-Feb-04	
Visual Check	correct	0.3
PHONE MANAGER		
Check Setup	n/a	
PICK-UP TRUCK		
Inspect Vehicle for Damage	N/A Manus	
Inspect for Rust	N/A Manus	
PIR	19-Feb-04	
Check Ventilator Operation and Screen	Cleared wasp nest	0.5
POWER		
Water level check in logger box batteries	Gel Cell's, Batteries replaced 18 Feb 04	2
PSP	19-Feb-04	
Check Ventilator Operation and Screen	Cleared wasp nest	0.5
SATELLITE PHONE		
Check antenna and connections for rust	Correct	0.5
SMET	19-Feb-04	
Visually Check Tower for Animal Nests on Anemometer	clear	0.5
Check TRH Fan for operation	operation correct	0.5
Check mounting pipe for rusting	surface rust apparent	0.3
SOLAR TRACKER-Brusag		
Apply rust & sieze protection to bolts	N/A Manus	
Grease (use silicone spray) hinge parts of shading arm	N/A Manus	

SOLAR TRACKER-Kipp & Zonen		
Apply rust & sieze protection to bolts	rust protection applied	0.5
Grease (use Aero Shell #17 grease) Azimuth & Zenith worm gear drives	greased	0.5
VANS		
Inspect Vans for Rust	Nil Rust 18 Feb 04	0.5
Check Dehumidifier Operation/draining	Operation correct 18 Feb04	0.5
VSAT		
Check voice over IP functions	Opeartional 18 Feb 04	0.5
WSI		
Check Coolant Flow	Checked correct 17 Feb 04	
Check for Cloudy Coolant in lines	Checked correct 17 Feb 04	
Check for Corrosion	Checked correct 17 Feb 04	
Check both Sealants to Verify Seal	Checked correct 17 Feb 04	
Check to See If N2 Charge Is Needed	Checked correct 17 Feb 04	
Check heater operation	Checked correct 17 Feb 04	