revised: November 13, 2012

SYSTEM	PROCEDURE	DURATION	FREQUENCY	NOTES
Azimuth Cable Wrap	Inspect wires for damage	30 minutes	Every 3 months	
	Check IGES chain and plastic slide plates for wear Confirm End of Travel limits are functioning			
	Check wires at strain relief points on both ends of IGES chain			
Dome Fan coil units and inside piping	Inspect FC1 and control valve for leaks	15 minutes	Every 6 months	
	Inspect FC2 and control valve for leaks			
	Inspect FC3 and Control valve for leaks			
	Inspect utility trough that runs under level 1 floor for leaks (access by lifting aluminum diamond plate near exit door)			
Instrument Chiller	Check Water level Inspect water for Algae Check and clean filter as required Inspect hoses from chiller to instrument manifold	30	Every 4 months	
	Inspect all exterior valves and piping at the manifold for leaks			
Multistack (Dome) Chiller	Check compressor controller for errors Record suction and pump side operating pressures for both compressors Remove back cover of Multistack and inspect interior for leaks Switch to standby pump (unit has two independent pumps. Switch between pump periodically to confirm operation)	30	Every 3 months	
Dome Bogie wheels	Inspect contact patch of each wheel by back illuminating with flash light Visually check wheels for bulges (indication of tread delamination) Inspect ring beam for wear patterns and cleanliness	60 minutes	Every 6 months	
	Check inside azimuth guide roller clearance. Rotate dome 180 degrees and check again to confirm the dome is not binding			
Lavial 4 light and	Increase and cilicans with an earl hotty and leave 1 11 11 4 first 4 11	15 min-t	Expans 6 m	
Level 1 light seals	Inspect red silicone rubber seal between level 1 ceiling and fixed ring wall	15 minutes	Every 6 months	
	Inspect seal between level 1 ceiling and telescope pier			
Dome Azimuth Drive wheels	Check wheel patch with flashlight and mirror.	60 minutes	Every 6 months	
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Check coupling between motor and encoder to ensure set screws are tight	1		
Move dome and confirm no unusual noises come from either drive (Master and Slave)		
Visually inspect slider guide to confirm it is running properly in the guide track.	30 minutes	ever 6 months	
Manually open and close each door to confirm proper operation			
Test manual controls as noted under "UPS" to confirm they function correctly.		every 3 months	
Test Estop #1	20 minutes	Every 6 months	
		,	
Test Estop #3			
Test Estop #4			
Test Estop #5			
Test Estop #6			
Listen for noises when testing manual controls	N/Δ	every 3 months	
Listen for noises when testing manual controls	IV/A	every 5 months	
Check display to confirm proper operation Kill main AC power and manually open and shut dome on UPS. Record estimated run time when at full load) Open and close 1 more time on battery. Record Reserve level	45 minutes	Every 3 months	
Test applicable devices (those that have a test button) Kill power to lighting circuit and confirm emergency light come on Inspect alarm panel batteries- replace as required	45 minutes	Every 6 months	
Check traps on Level 1	15 minutes	1 per month	
Exterior Lightning arrestors-visual check Dome brush assemblies (4 locations on ring beam) Check condition and contact	15 minutes	As Required	After any significant
Visual inspection of tower	40 minutes	every 4 months	Tower must be lowered to
Check computer and battery Clean Rain sensor with isopropyl alcohol			
	Move dome and confirm no unusual noises come from either drive (Master and Slave Visually inspect slider guide to confirm it is running properly in the guide track. Manually open and close each door to confirm proper operation Test manual controls as noted under "UPS" to confirm they function correctly. Test Estop #1 Test Estop #2 Test Estop #3 Test Estop #4 Test Estop #6 Listen for noises when testing manual controls Check display to confirm proper operation Kill main AC power and manually open and shut dome on UPS. Record estimated run time when at full load) Open and close 1 more time on battery. Record Reserve level Test applicable devices (those that have a test button) Kill power to lighting circuit and confirm emergency light come on Inspect alarm panel batteries- replace as required Check traps on Level 1 Exterior Lightning arrestors-visual check Dome brush assemblies (4 locations on ring beam) Check condition and contact Visual inspection of tower Check computer and battery	Move dome and confirm no unusual noises come from either drive (Master and Slave) Visually inspect slider guide to confirm it is running properly in the guide track. Manually open and close each door to confirm proper operation Test manual controls as noted under "UPS" to confirm they function correctly. Test Estop #1 Test Estop #2 Test Estop #3 Test Estop #4 Test Estop #5 Test Estop #6 Listen for noises when testing manual controls N/A Check display to confirm proper operation Kill main AC power and manually open and shut dome on UPS. Record estimated run time when at full load) Open and close 1 more time on battery. Record Reserve level Test applicable devices (those that have a test button) Kill power to lighting circuit and confirm emergency light come on Inspect alarm panel batteries- replace as required Check traps on Level 1 Exterior Lightning arrestors-visual check Dome brush assemblies (4 locations on ring beam) Check condition and contact Visual inspection of tower Check computer and battery	Move dome and confirm no unusual noises come from either drive (Master and Slave) Visually inspect slider guide to confirm it is running properly in the guide track. Manually open and close each door to confirm proper operation Test manual controls as noted under "UPS" to confirm they function correctly. every 3 months Test Estop #1 Test Estop #2 Test Estop #3 Test Estop #4 Test Estop #6 Listen for noises when testing manual controls Check display to confirm proper operation Kill main AC power and manually open and shut dome on UPS. Record estimated run time when at full load) Open and close 1 more time on battery. Record Reserve level Test applicable devices (those that have a test button) Kill power to lighting circuit and confirm emergency light come on Inspect alarm panel batteries- replace as required Check traps on Level 1 Exterior Lightning arrestors-visual check Dome brush assemblies (4 locations on ring beam) Check condition and contact Visual inspection of tower Check computer and battery

	Confirm Cable gets hot when on- check cable at the base of the arch girders on the front side of the dome.	15 minutes	every 6 months	
Interior lights	Turn lights on all levels- confirm bulbs are not burned out- replace as required	10 minutes	every 6 months	
	Check and record Ion Pump current Check Cryotiger operating pump pressure	15 minutes	ever 3 months	