

# 36 INCH TELESCOPE MAINTENANCE AND LUBRICATION RECORD

## YEAR ( \_\_\_\_\_ )

Maintenance Performed	Hz	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Dome Elevator Floor</b>													
Pump zerks & seal packing	2												
Grease tower weight guides	1												
Grease tower sheave bearing zerks	1												
Check tower cables for wear	1												
Grease floor rack & pinion gears	1												
Grease floor pinion shaft bearings	1												
Check water tank level	4												
Check ram packing for leaks	4												
<b>Dome Shutter</b>													
Top shutter pivot zerks	1												
Shutter wheel zerks	1												
Grease shutter track	1												
Check shutter drive belts	1												
Grease shutter drive	1												
<b>Dome Drive &amp; Wheels</b>													
Grease track	4												
Grease wheel bearing zerks	2												
Check wheel bearing shaft centering	1												
Check wheel bearings for casting cracks	1												
Grease hurricane wheel zerks	2												
Check drive fluid couplings (keep fluid low)	2												
Grease drive zerks	2												
Check drive gearbox fluid level	2												
Inspect slip-rings – service as needed	1												

Notes:

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<b>Telescope</b>													
Grease drive tracking gear and drive	2												
Lube RA and DEC axles (brass oil hole plugs)	2												
Service RA clamp – hydraulics and zerks	2												
Check RA clamp ability to hold and release	2												
Lube telescope hand wheels	1												
Lube tailpiece rotation joint (small notches)	1												
Dust off telescope and mount	2												
Co <sub>2</sub> clean front & back lens (open cell vent)	6												
<b>Air Compressor</b>													
Oil change	1												
Compressor belts check	6												
Drain condensation from compressor tank	12												
<b>Windscreen</b>													
Lube track guides & drive zerks	1												

Notes: