

	Cryogenic	Fills	Estimated hold time (h)	Foul Weather	Procedure	Recovery	Notes
<b>Keck 1</b>							
HIRES	N <sub>2</sub>	Detector: Autofill Reservoir: M,W,F	Detector: ~16-18 Reservoir: ~3 days	Detector (3L) topped off Reservoir (50L) topped off Verify levers in proper position	9114-CA7304	Verify Reservoir levels, fill if needed.	Remote fills done from instrument VNC
LRIS	N <sub>2</sub>	2x Daily	RED: ~26 BLUE ~20-23  Stingers OUT RED: ~40 BLUE: ~36	Both RED and BLUE stingers removed, Rotator @ ~200°, Both topped off, Rotator cable disconnected, Horizon lock installed. <b>DO NOT ROTATE. DO NOT MOVE TELESCOPE IN ELEVATION</b>	9114-CA7305	Install stingers, enable rotation. See procedure.	
MOSFIRE	CCR	N/A	1h CCR OFF	Verify CCR compressor ON, Pressure @ ~120 PSI.			
OSIRIS	CCR	N/A	1h CCR OFF	Verify CCR compressor ON, Pressure @ ~120 PSI.			
<b>Keck 2</b>							
DEIMOS	N <sub>2</sub>	Daily	~24-27	Band brake ON, Transfer line connected, Storage dewar valve OPEN, Verify Dewar has contents (level depends on expected weather) with pressure (~22psi). <b>DO NOT ROTATE.</b>	9114-CA7302	Close storage dewar valve, remove transfer line from fill port on DEIMOS, Disengage band brake.	Storage dewar at least half full. ~3 days supply  Remote fills done from vAutofill (VNC).
ESI	N <sub>2</sub>	2x Daily	~18	Topped OFF	9114-CA7303		
KCWI	N <sub>2</sub>	Every 2 days	~3-4 days	Transfer line connected, Storage dewar valve OPEN, Verify Dewar has contents (level depends on expected weather) with pressure (~22psi).	9114-CA7309	OPTIONAL: Close storage dewar valve, remove transfer line from fill port on KCWI.	Remote fills done from vAutofill (VNC). Must move articulation stage IN/OUT for fills.
NIRC2	CCR	N/A	1h CCR OFF	Verify CCR compressor ON, Pressure @ ~120 PSI.			
NIRES	N <sub>2</sub>	MAIN: Daily Aux: M	~3-4 days	When safe to move telescope to Zenith, top off both dewars.	9114-CA7306	~60L when missing 3 fills.	Missed fills will affect telescope drive current in elevation.
NIRSPEC	CCR	N/A	1h CCR OFF	Verify CCR compressor ON, Pressure @ ~120 PSI.			