

Important Interfaces	Counterpart															
	TUN	FCL	VAC	CRY	VIS	MIR	LAS	MIF	DC	IOO	AOS	AEL	DGS	DAS	GIF	
Report by	TUN	room	layout	transportation, layout, compressor, crane, cryostat	mir location, vis dimension					laser room	oplev pylon				gif layout, benchmark	
	FCL	room		clean environment			power supply, las cool water			laser room	clean environment		network, rooms		env monitors	
	VAC	layout		outgassing	vis dimension, feed-through flange			layout		mc, fi, mmt	vac location, inner surface refl, baffle, target, viewport		vac monitor		gif vacuum	
	CRY	transportation, layout, compressor, crane, cryostat dimension	clean environment	outgassing	top-flange, payload connection, heat link	scattering, absorption		dist to gv, anchor, baffle aperture, edge scattering				cryostat size, cryostat surface, viewport, oplev, ccd, cryo baffles	thermometer, rotary valve signal, grounding	thermometer logger, barometer logger, cryo switches	regular maintenance	
	VIS	mir location, vis dimension	vis dimension, feed-through flange	top-flange, payload connection, heat link		susp, actuator, vis dimension		disp noise, movable range, actuator response, local sensors, mir location		mc, fi, mmt, mir location, small optics	susp location, vibration data, oplev requirement	sensor, actuator	osem, oplev, picomotor, digital controller			
	MIR			scattering, absorption	susp, actuator, vis dimension			mir refl, loss, roc, wedge, ar refl, gr refl, ctrl signal		mc, mmt, output optics	reflectivity, surface property					
	LAS	power supply, las cool water						fss, iss, interlock		laser	laser power		power monitor, interlock, thermal control	laser monitor		
	MIF		layout	dist to gv, anchor, baffle aperture, edge scattering	disp noise, movable range, actuator response, local sensors, mir location	mir refl, loss, roc, wedge, ar refl, gr refl, ctrl signal		fss, iss, interlock		mc, fi, throughput, iss, fss, mod, input mode, omc req, det bench, green sys	scattering, oplev, brt, layout		lsc, asc, calib, diagnostic, automatic, online monitor, num of ch, front-end circuits, servo		env monitors	
	DC										environmental data		online analysis	data quality, veto info, calibration	monitors	
	IOO	laser room	laser room	mc, fi, mmt	mc, fi, mir location, small optics	mc, mmt, output optics	laser	mc, fi, throughput, iss, fss, mod, input mode, omc req, det bench, green sys			beam shutter, ioo optics location, beam jitter	pd	switches, pico-motors, mod depth controller			
	AOS	oplev pylon	clean environment	vac location, inner surface refl, baffle, target, viewport	cryostat size, cryostat surface, viewport, oplev, ccd, cryo baffles	susp location, vibration data, oplev requirement	reflectivity, surface property	laser power	scattering, oplev, brt, layout	environmental data	beam shutter, ioo optics location, beam jitter	pd, oplev circuits	pd, power supply, cable, connector, whitening filters	pd, power supply, cable, connector, whitening filters	range of opt target	
	AEL				thermometer, rotary valve signal, grounding	sensor, actuator					pd	pd, oplev circuits		pd, power supply, cable, connector, whitening filters		
	DGS		network, rooms	vac monitor	thermometer logger, barometer logger, cryo switches	osem, oplev, picomotor, digital controller	power monitor, interlock, thermal control	lsc, asc, calib, diagnostic, automatic, online monitor, num of ch, front-end circuits, servo	online analysis	switches, pico-motors, mod depth controller	oplev, pico-motor, ccd switch, env data	pd, power supply, cable, connector, whitening filters		data, calib, data rate	env monitors	
	DAS				regular maintenance		laser monitor		data quality, veto info, calibration				data, calib, data rate			
	GIF	gif layout, benchmark	env monitors	gif vacuum					env monitors	monitors	range of opt target		env monitors			