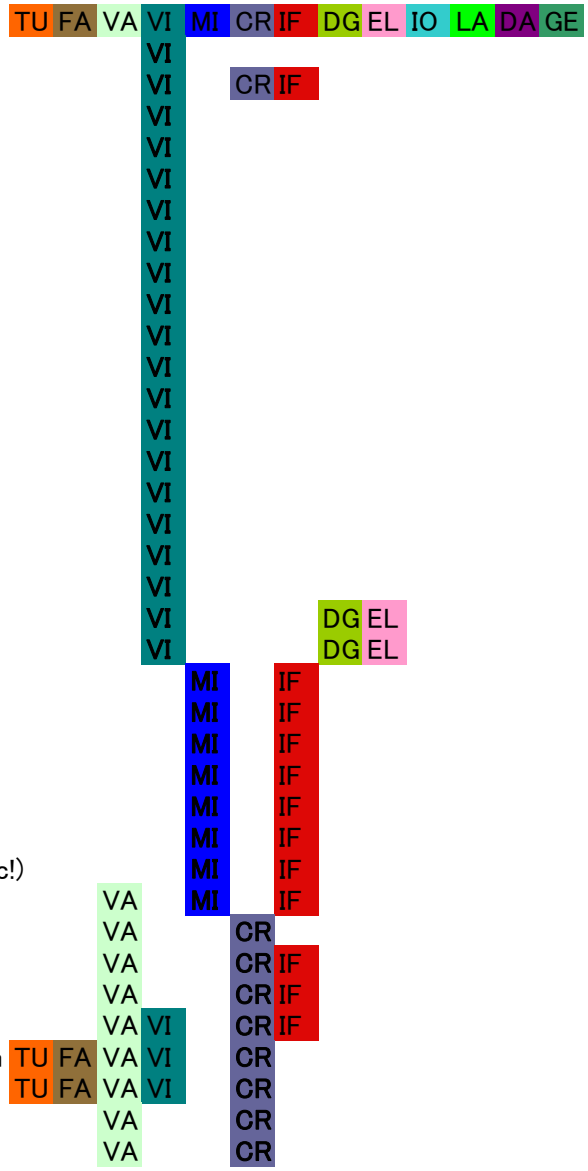
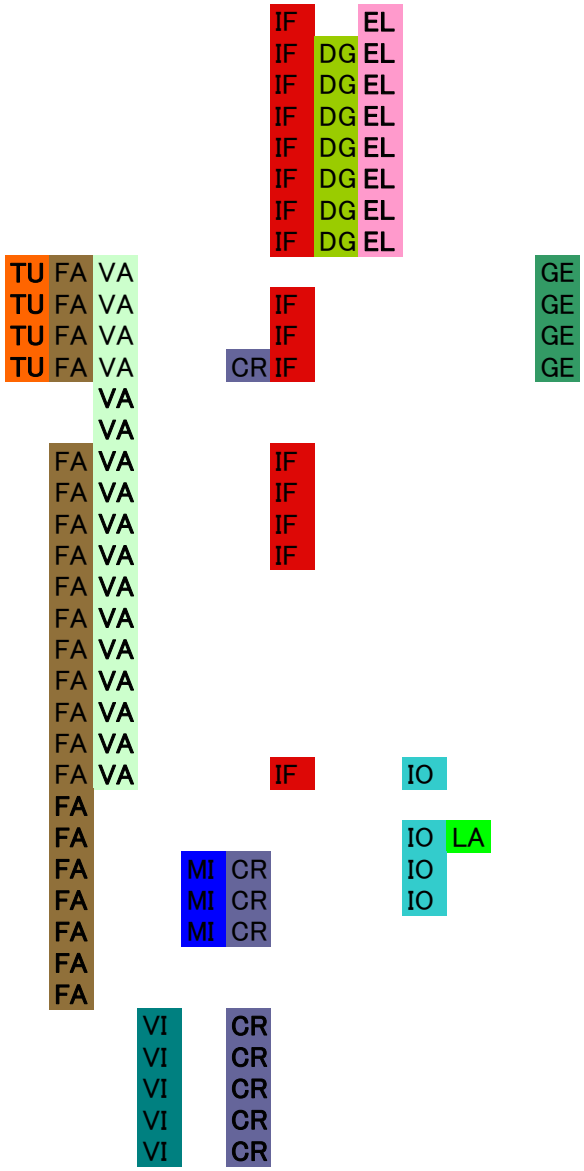
		MISC	Value
4th GAS	spring constant of 4th GAS filter		473kg/s^2
4th GAS	T dependence of spring constant		TBD
4th GAS	loss of GAS filter blades		1e-2
4th GAS	mass of GAS filter joint for wire		<100g
4th GAS	wire length btw 4th GAS filter and PF		2.1m
4th GAS	wire diameter		3.11mm
4th GAS	number of wires		1
4th GAS	wire material		Maraging
4th GAS	wire youg's modulus		186GPa
4th GAS	wire tensile strength		2GPa
4th GAS	loss of wire		TBD
4th GAS	wire length btw 4th GAS filter and CB		2.1m
4th GAS	wire diameter		3.74mm
4th GAS	number of wires		1
4th GAS	wire material		Maraging
4th GAS	wire youg's modulus		186GPa
4th GAS	wire tensile strength		2GPa
4th GAS	total mass suspended by 4th GAS filter		120kg
4th GAS	local sensor for GAS filter		LVDT
4th GAS	local control for GAS filter		Coil
BS	BS radius		19cm
BS	BS thickness		12cm
BS	BS reflectivity		50%
BS	BS HR surface optical loss		50ppm
BS	BS AR surface reflectivity		50ppm
BS	RoC of BS		>100km
BS	BS substrate absorption		1ppm/cm (problematic!)
BS	AR wedge of BS		0.383deg
Cryostat	radiation shield diameter		50cm
Cryostat	radiation shield aperture (diameter)		25cm
Cryostat	cryostat shield aperture (diameter)		25cm
Cryostat	top hole diameter (to SAS)	*	15cm
Cryostat	cryostat cylinder dimension		f=2.4m,t=2cm,h=3.05m
Cryostat	cryostat weight		10t
Cryostat	heat from shield aperture		4W
Cryostat	heat from vacuum duct support		24W



Cryostat	radiation from upper stages	*	10mW			VA	VI			CR	IF			
Cryostat	radiation from BS chamber	*	10mW			VA				CR	IF			
Cryostat	radiation from arm cavity	*	10mW			VA				CR	IF			
Cryostat	heat from radiation shield	*	100mW			VA				CR	IF			
Cryostat	heat from scattering light	*	0mW			VA				CR	IF			
Cryostat	heat from view ports	*	10mW			VA				CR	IF			
Cryostat	heat link thermal conductivity at 10K		4kW/m/K				VI			CR				
Cryostat	number of view ports		1			VA				CR	IF			
Cryostat	cooling time		1week			VA				CR	IF			
Cryostat	warming up time		1month			VA				CR	IF			
Cryostat	vibration at cryostat		TBD	TU	FA	VA	VI			CR	IF			
Cryostat	cryostat resonant frequency		30Hz			VA	VI			CR				
Cryostat	inner shield temeprature		8K			VA	VI			CR	IF			
Cryostat	duct shield temperature		80K			VA	VI			CR	IF			
Cryostat	duct emissivity		0.03			VA				CR				
Digital	ADC noise		3uV/rtHz								IF	DG	EL	
Digital	DAC noise		3uV/rtHz								IF	DG	EL	
Digital	sampling frequency		16384Hz								IF	DG	EL	
Digital	observation bandwidth		5kHz								IF	DG	EL	
Digital	control bandwidth		200Hz								IF	DG	EL	
Digital	time delay		100usec								IF	DG	EL	
Digital	ADC dynamic range		15V									DG	EL	
Digital	DAC dynamic range		10V									DG	EL	
Digital	AA filter noise level		0.1uV/rtHz									DG	EL	
Digital	AI filter noise level		0.1uV/rtHz									DG	EL	
Digital	whitening filter noise level		1nV/rtHz									DG	EL	
Digital	dewhitening fileter noise level		1nV/rtHz									DG	EL	
Digital	connector		D-sub 9pin									DG	EL	
Electronics	accuracy of 90deg for I&Q LO	*	1%								IF		EL	
Electronics	RF PD aperture (high power)	*	3mm								IF		EL	
Electronics	RF PD aperture (low power)	*	3mm								IF		EL	
Electronics	DC PD aperture (high power)	*	3mm								IF		EL	
Electronics	DC PD aperture (low power)	*	3mm								IF		EL	
Electronics	RF PD input power (high power)	*	300mW								IF		EL	
Electronics	RF PD input power (low power)	*	100mW								IF		EL	
Electronics	DC PD input power (high power)	*	100mW								IF		EL	
Electronics	DC PD input power (low power)	*	10mW								IF		EL	

Electronics	RF HOM suppression at LO distributor		TBD
Electronics	DC power supply		24V
Electronics	power supply cable selection		TBD
Electronics	power supply conector selection		TBD
Electronics	AC cable selection	100V /	AWG14 triplet
Electronics	AC conector selection		D-sub
Electronics	RF cable selection		co-axial
Electronics	RF connector selection		SMA
Facility	tunnel width/height	TUN	4m
Facility	tunnel tilt	TUN	1/300
Facility	chamber room size (2nd floor)	TUN	8m x 12m
Facility	chamber room size (1st floor)	TUN	20m x 12m
Facility	flange flatness	VAC	0.1mm
Facility	flange thickness	VAC	30mm
Facility	vacuum level	VAC	2e-7Pa
Facility	duct height from floor	VAC	1.2m from the floor
Facility	duct diameter	VAC	80cm
Facility	position of chambers	VAC	(see MIF doc)
Facility	number of pumps	VAC	30 per arm
Facility	pumping speed of ion pump	VAC	1000L/s
Facility	pumping speed of turbo pump	VAC	2000L/s
Facility	number of gate valves	VAC	2 per arm (both ends)
Facility	number of vacuum monitors (chamber)	VAC	1 for each chamber
Facility	number of vacuum monitors (duct)	VAC	10 per arm
Facility	beam position monitor (movable target	VAC	10 per arm
Facility	room temperature	FAC	289K
Facility	laser room cleanliness	FAC	CLASS 100
Facility	room cleanliness	FAC	CLASS 1000
Facility	cleanliness for chamber working	FAC	CLASS 100
Facility	cleanliness of cryostat body (?)	CRY	CLASS 10000
Facility	noise level of accelerometers	PEM	TBD
Facility	noise level of tilt meters	PEM	TBD
HL (IM-RM)	material		6N Aluminum
HL (IM-RM)	number		TBD
HL (IM-RM)	length		TBD
HL (IM-RM)	spring constant		TBD
HL (IM-RM)	diameter		TBD



HL (IM-RM)	loss		TBD	VI		CR				
HL (PF-IM)	material		6N Aluminum	VI		CR				
HL (PF-IM)	number		TBD	VI		CR				
HL (PF-IM)	length		TBD	VI		CR				
HL (PF-IM)	spring constant		TBD	VI		CR				
HL (PF-IM)	diameter		TBD	VI		CR				
HL (PF-IM)	loss		TBD	VI		CR				
IM	actuator power on IM		TBD	VI			IF	EL		
IM	mass of IM		60kg	VI		CR				
IM	material		Cu	VI		CR				
IM	dimension		310x200x110 mm	VI		CR				
IM	temperature of IM		10K	VI		CR				
IM	emmisivity of surface of IM	*	0.02	VI		CR				
IM	spacific heat of IM		TBD	VI		CR				
IM	thermal conducutivity of IM		TBD	VI		CR				
IM	local sensor for IM		TBD	VI		CR		EL		
IM	local control for IM		TBD	VI		CR		EL		
IM	RRR of material		TBD	VI		CR				
IM fiber	number of wires	*	4	VI		CR				
IM fiber	material		Tungsten	VI		CR				
IM fiber	Young's modulus	*	161GPa	VI		CR				
IM fiber	tensile strength	*	5GPa	VI		CR				
IM fiber	loss		1e-4	VI		CR				
IM fiber	thermal conductivity		TBD	VI		CR				
IM fiber	length		0.4m	VI		CR				
IM fiber	diameter		0.72mm	VI		CR				
IM fiber	density		19250kg/m^3	VI		CR				
IM fiber	temperature		10K	VI		CR				
RM fiber	yaw-mode resonant frequency		TBD	VI		CR				
RM fiber	pitch-mode resonant frequency		TBD	VI		CR				
RM fiber	yaw-mode loss		TBD	VI		CR				
RM fiber	pitch-mode loss		TBD	VI		CR				
RM fiber	yaw-mode moment of inertia		TBD	VI		CR				
RM fiber	pitch-mode moment of inertia		TBD	VI		CR				
IOO	AF RIN (requirement)		TBD				IF		IO	LA
IOO	RF RIN (requirement)		1e-9W/W/rtHz				IF		IO	LA
IOO	FSS gain at 100Hz		300dB				IF		IO	LA

IOO	FSS gain at 1kHz		180dB			IF		IO	
IOO	Ref Cav length		15cm (single FP)					IO	
IOO	Ref Cav finesse		1e4					IO	
IOO	pick-off power for FSS		100mW					IO	
IOO	FSS PD noise level		1e-9V/rtHz					IO	
IOO	COF between EOM and PZT		10kHz			IF		IO	LA
IOO	COF between PZT and MC length	*	a few Hz			IF		IO	LA
IOO	COF between MC length and thermal		TBD			IF		IO	LA
IOO	input angle control range to MC		TBD			IF		IO	
IOO	input angle actuator noise level		TBD			IF		IO	
IOO	RF oscillator phase noise		-160dBc			IF		IO	
IOO	scattered light inside IO chamber		TBD	VA		IF		IO	
IOO	scattered light from IO view port		TBD	VA		IF		IO	
IOO	power attenuation range		100%-0.1%			IF		IO	
IOO	extinction ratio of Faraday Isolator		40dB			IF		IO	
Laser	laser power		180W			IF		IO	LA
Laser	wavelength		1064nm			IF		IO	LA
Laser	free-run frequency noise		100Hz/rtHz at 100Hz			IF		IO	LA
Laser	free-run intensity noise		1e-4 W/W/rtHz			IF		IO	LA
Laser	linewidth		a few kHz			IF		IO	LA
Laser	intensity control range		TBD			IF		IO	LA
Laser	intensity control method		TBD			IF		IO	LA
Laser	chiller temperature		15deg					IO	LA
Laser	Laser temperature		TBD					IO	LA
Laser	Laser temperature control method		water					IO	LA
Laser	frequency control range for EOM		800kHz			IF		IO	LA
Laser	frequency control range for PZT		TBD			IF		IO	LA
Laser	frequency control range for thermal		TBD			IF		IO	LA
MC2	suspension type		Type-C			IF		IO	
MC2	MC length		26.6388m	VA		IF		IO	
MC2	MC finesse		500	VA		IF		IO	
MC2	output polarization		S-polarization			IF		IO	
MC2	output frequency noise		TBD			IF		IO	
MC2	output intensity noise		TBD			IF		IO	
MC2	output beam jitter		TBD			IF		IO	
MC2	HOM suppression		1e-3			IF		IO	
MC2	control band (FSS slow)		TBD		VI	IF	EL	IO	LA

MC2	QPD noise		1e-9 V/rtHz				IF	EL	IO	
MC2	(coupling factor from ASC to LSC)		1e-4 m/rad				IF		IO	
MC2	Beam centering error		0.1mm				IF		IO	
MC2	PD dynamic range		TBD				IF	EL	IO	
MC2	QPD dynamic range		TBD				IF	EL	IO	
MIF	contrast defect (alignment etc)	*	0.5%				IF			
MIF	AS POM reflectivity (if any)	*	0	VA	VI		IF			
MIF	(laser power in PRC)		825W				IF		IO	LA
MIF	(total optical loss in SRC)		2%			MI	IF		IO	
MIF	quantum efficiency (DC PD)		90%				IF	EL	IO	
MIF	demodulation function		square wave				IF		IO	
MIF	differential offset on arm cavities		+/- 2e-12m				IF		IO	
MIF	(DC readout phase)		134.5deg (DRSE)				IF		IO	
MIF	detune phase		3.55deg				IF			
MIF	PRM-PR2 distance		14.761m	VA			IF			
MIF	PR2-PR3 distance		12.067m	VA			IF			
MIF	PR3-BS distance		14.764m	VA			IF			
MIF	SRM-SR2 distance		14.761m	VA			IF			
MIF	SR2-SR3 distance		12.067m	VA			IF			
MIF	SR3-BS distance		14.764m	VA			IF			
MIF	folding angle		0.6293deg	VA			IF			
MIF	BS-ITM average distance		25.0285m	VA			IF			
MIF	(PRC length)		66.6205m	VA			IF			
MIF	(SRC length)		66.6205m	VA			IF			
MIF	Gouy phase shift in PRC		20deg				IF			
MIF	Gouy phase shift in SRC		20deg				IF			
MIF	arm length	*	3km	VA			IF			
MIF	asymmetry length		3.3310m	VA			IF			
MIF	f1 sideband frequencies		16.875MHz				IF		IO	
MIF	f1 sideband types		PM				IF		IO	
MIF	f1 sideband modulation depths	*	0.2 at IFO				IF		IO	
MIF	f2 sideband frequencies		45MHz				IF		IO	
MIF	f2 sideband types		PM				IF		IO	
MIF	f2 sideband modulation depths	*	0.2 at IFO				IF		IO	
MIF	f3 sideband freq (if any)		39.375MHz				IF	EL	IO	
MIF	f2 sideband types (if any)		AM				IF	EL	IO	
MIF	f2 sideband modulation depths (if any)		TBD				IF		IO	

MIF	MZ configuration		single, if any				IF		IO	
MIF	tilt noise on each WFS DOF		TBD		VI		IF			
MIF	(coupling factor from ASC to LSC)	*	1e-4m/rad		VI		IF			
MIF	Beam centering error on TM	*	0.1mm		VI		IF			
MIF	QPD dynamic range		TBD				IF	EL		
MIF	QPD noise level for transmitted light	*	1e-9V/rtHz				IF	EL		
MIF	Oplev QPD noise level		TBD				IF	EL		
MIF	Oplev control band width for pit, yaw	*	3Hz				IF	EL		
MIF	maximum DC voltage for demo signal		100mV				IF	EL		
MIF	electric noise on demo signal		1e-9V/rtHz				IF	EL		
MIF	CARM UGF		10kHz		VI		IF	EL		
MIF	DARM UGF		200Hz		VI		IF	EL		
MIF	PRCL UGF		20Hz		VI		IF	EL		
MIF	MICH UGF		20Hz		VI		IF	EL		
MIF	SRCL UGF		20Hz		VI		IF	EL		
MIF	PRCL FF gain		100				IF	DG		
MIF	MICH FF gain		100				IF	DG		
MIF	SRCL FF gain		100				IF	DG		
MIF	CARM signal extraction port		REFL	VA			IF			
MIF	DARM signal extraction port		OMCout	VA			IF			
MIF	PRCL signal extraction port		POP	VA			IF			
MIF	MICH signal extraction port		REFL	VA			IF			
MIF	SRCL signal extraction port		REFL	VA			IF			
MIF	RF PD (high power) dynamic range		TBD				IF	EL		
MIF	RF PD (low power) dynamic range		TBD				IF	EL		
MIF	DC PD (high power) dynamic range		TBD				IF	EL		
MIF	DC PD (low power) dynamic range		TBD				IF	EL		
MIF	DC PD noise level for transmitted light		TBD				IF	EL		
MIF	Green Laser finesse in arms		19 (ITM80%-ETM90%)			MI	IF			
MIF	Green Laser power		100mW				IF		IO	LA
MIF	Green laser's frequency gap (X and Y)		100MHz				IF		IO	LA
MIF	Green Laser phase lock tightness		TBD				IF		IO	LA
MIF	Green laser Injection Point		PR3 and SR3	VA			IF		IO	
MIF	BS reflectivity for green		<1%			MI	IF			
MIF	PR2, SR2 reflectivity for green		<1%			MI	IF			
MIF	PR3, SR3 reflectivity for green		<1%			MI	IF			
MIF	rms fluctuation of DARM		1e-14m		VI		IF		IO	

OMC	number of mirrors		4	MI IF IO
OMC	OMC optical loss	*	1%	MI IF IO
OMC	OMC length	*	38cm	VA IF IO
OMC	OMC finesse	*	1000 (too high for 1% loss)	IF IO
OMC	OMC displacement noise		TBD	VI IF IO
OMC	actuator range		TBD	IF EL IO
OMC	actuator noise level		TBD	IF EL IO
OMC	RF reduction ratio		110dB	IF IO
OMC	dither frequency for length control		TBD	IF IO
OMC	dither frequency for angle control		TBD	IF IO
OMC	dither PD noise level		1e-9 V/rtHz	IF EL IO
OMC	dither QPD noise level		1e-9 V/rtHz	IF EL IO
PMC	number of mirrors		4	VI MI EL IO
PMC	cavity length		48.8cm	IO
PMC	finesse		155	IO
PMC	RF PD noise level		1e-9 V/rtHz	IO
PMC	actualtor range		TBD	EL IO
PMC	actuator noise level		TBD	EL IO
PRMs	PM1 radius		12.5cm	VI MI
PRMs	PM1 thickness		10cm	VI MI
PRMs	PM2 radius		12.5cm	VI MI
PRMs	PM2 thickness		10cm	VI MI
PRMs	PM3 radius		12.5cm	VI MI
PRMs	PM3 thickness		10cm	VI MI
PRMs	PRM reflectivity		90%	MI IF
PRMs	PRM optical loss		100ppm	MI IF
PRMs	RoC of PRM		370m	MI IF IO
PRMs	RoC of PR2		4.17m	MI IF IO
PRMs	RoC of PR3		32.34m	MI IF IO
PRMs	wedge angle of PRM	*	0.3deg	VA MI IF IO
RM	mass of RMTM		30kg	VI CR
RM	material of RMTM		Cu	VI CR
RM	outer diameter		29cm	VI CR
RM	inner diameter		26cm	VI CR
RM	thickness		26cm	VI CR
RM	temperature of RMTM		20K	VI CR
RM	emmisivity of surface of RMTM		0.02	VI CR

RM	specific heat of RMTM		TBD								VI		CR						
RM	thermal conducutivity of RMTM		TBD								VI		CR						
RM	number of coil		4								VI		CR			EL			
RM	resistance of coil		TBD								VI		CR			EL			
RM fiber	material		BeCu								VI		CR						
RM fiber	thermal conductivity		TBD								VI		CR						
RM fiber	length		30cm								VI		CR						
RM fiber	diameter		0.4mm								VI		CR						
RM fiber	number of fibers		4								VI		CR						
RM fiber	Young's modulus		130GPa								VI		CR						
RM fiber	density		8360kg/m^3								VI		CR						
RM fiber	effective temperature		16K								VI		CR						
RM fiber	loss		5e-6								VI		CR						
RM fiber	yaw-mode resonant frequency		TBD								VI		CR						
RM fiber	pitch-mode resonant frequency		TBD								VI		CR						
RM fiber	yaw-mode loss		TBD								VI		CR						
RM fiber	pitch-mode loss		TBD								VI		CR						
RM fiber	yaw-mode moment of inertia		TBD								VI		CR						
RM fiber	pitch-mode moment of inertia		TBD								VI		CR						
SAS	Vertical horizontal coupling	worse	1/200		TU	FA	VA	VI	MI		IF								GE
SAS	TM seismic motion	Type-A	4e-20m/rtHz at 10Hz				VA	VI	MI		IF								GE
SAS	PRM seismic moiton	Type-B	2e-21m/rtHz at 10Hz					VI			IF								
SAS	SRM seismic motion	Type-B	2e-21m/rtHz at 10Hz					VI			IF								
SAS	OMC seismic motion		TBD					VI			IF						IO		
SAS	adjustable distance (DC)	*	1cm					VI			IF					EL			
SAS	actuation range (AC)		TBD					VI			IF					EL			
SAS	actuator noise		TBD					VI								EL			
SAS	TF from actuators to test mass		TBD					VI	MI		IF								
SAS	RMS displacement		0.1um					VI	MI		IF	DG							
SAS	RMS velocity		0.1um/s					VI	MI		IF	DG							
SAS	RMS pitch		TBD					VI	MI		IF	DG							
SAS	RMS yaw		TBD					VI	MI		IF	DG							
SAS	speed of sound		TBD		TU	FA		VI											GE
SAS	CMRR (3km)		TBD		TU	FA		VI											GE
SAS	CMR cutoff frequency		TBD		TU	FA		VI											GE
SAS	local seismic motion at center		2e-9 m/rtHz at 1Hz		TU	FA		VI					CR						GE
SAS	local seismic motion at itmx		2e-9 m/rtHz at 1Hz		TU	FA		VI					CR						GE

SAS	local seismic motion at itmy		2e-9 m/rtHz at 1Hz	TU	FA	VI		CR					GE
SAS	local seismic motion at etmx		2e-9 m/rtHz at 1Hz	TU	FA	VI		CR					GE
SAS	local seismic motion at etmy		2e-9 m/rtHz at 1Hz	TU	FA	VI		CR					GE
SRMs	SM1 radius		12.5cm			VI	MI						
SRMs	SM1 thickness		10cm			VI	MI						
SRMs	SM2 radius		12.5cm			VI	MI						
SRMs	SM2 thickness		10cm			VI	MI						
SRMs	SM3 radius		12.5cm			VI	MI						
SRMs	SM3 thickness		10cm			VI	MI						
SRMs	SRM reflectivity		85%				MI		IF				
SRMs	SRM optical loss		100ppm				MI		IF				
SRMs	RoC of SRM		370m				MI		IF			IO	
SRMs	RoC of SR2		4.17m				MI		IF			IO	
SRMs	RoC of SR3		32.34m				MI		IF			IO	
SRMs	wedge of SRM	*	0.3deg			VA	MI		IF			IO	
TM	actuator power on ITM		TBD						IF		EL		
TM	actuator power on ETM		TBD						IF		EL		
TM	material of TM		Sapphire			VI	MI	CR					
TM	dimension		f250 x t150			VI	MI	CR					
TM	emmisivity of surface of TM		TBD				MI	CR					
TM	specific heat of TM		0.69 J/K/kg				MI	CR					
TM	thermal conducutivity of TM		1.57e4 W/m/K				MI	CR					
TM	Outer Diameter		25cm			VI	MI	CR					
TM	Outer Diameter Flat to Flat	*	24.6cm			VI	MI	CR					
TM	scratches and sleeks on two surfaces		TBD			VI	MI	CR					
TM	point defects on two surfaces		TBD			VI	MI	CR					
TM	central region surface rms		0.3nm (d<12cm)			VI	MI	CR	IF				
TM	outer region surface rms	*	1nm (d>12cm)			VI	MI	CR	IF				
TM	AR side surface flatness		TBD			VI	MI	CR	IF				
TM	ROC seen from AR side		TBD			VI	MI	CR	IF				
TM	coating / substrate homogeneity		TBD			VI	MI	CR	IF				
TM	dr/dt of AR (reflectivity change)		TBD			VI	MI	CR	IF				
TM	point scattering		TBD			VI	MI	CR	IF				
TM	surface quality after coating		TBD			VI	MI	CR	IF				
TM	birefringence		TBD			VI	MI	CR	IF				
TM	beam radius on ETM		4.53cm				MI		IF			IO	
TM	beam radius on ITM		3.43cm				MI		IF			IO	

TM	mirror radius of ETM		12.5cm	VI	MI	
TM	mirror radius of ITM		12.5cm	VI	MI	
TM	mirror bulk density of ETM		4000 kg/m^3	VI	MI	
TM	mirror buld density of ITM		4000 kg/m^3	VI	MI	
TM	mirror temperature of ETM		20K	VI	MI	CR
TM	mirror temeprature of ITM		20K	VI	MI	CR
TM	Young's modulus of ETM substrate		400GPa		MI	
TM	Young's modulus of ITM substrate		400GPa		MI	
TM	mirror bulk Poisson ratio of ETM		0.29		MI	
TM	mirror bulk Poisson ratio of ITM		0.29		MI	
TM	mirror thermal expansion of ETM		5.6e-9 1/K		MI	CR
TM	mirror thermal expansion of ITM		5.6e-9 1/K		MI	CR
TM	mirror specific heat of ETM		0.69 J/K/kg		MI	CR
TM	mirror specific heat of ITM		0.69 J/K/kg		MI	CR
TM	mirror thermal conductivity of ETM		1.57e4 W/m/K		MI	CR
TM	mirror thermal conductivity of ITM		1.57e4 W/m/K		MI	CR
TM	mirror mechanical loss of ETM		1e-8		MI	CR
TM	mirror mechanical loss of ITM		1e-8		MI	CR
TM	silica coating Youngs modulus		72GPa		MI	CR
TM	tantala coating Youngs modulus		140GPa		MI	CR
TM	silica coating Poisson ratio		0.17		MI	CR
TM	tantala coating Poisson ratio		0.23		MI	CR
TM	silica coating loss		3e-4		MI	CR
TM	tantala coating loss		5e-4		MI	CR
TM	silica coating specific heat per volume		1.64e6 J/K/m^3		MI	CR
TM	tantala coating specific heat per volume		2.10e6 J/K/m^3		MI	CR
TM	silica coating thermal expansion		5.1e-7 1/K		MI	CR
TM	tantala coating thermal expansion		3.6e-6 1/K		MI	CR
TM	silica coating thermal conductivity		1.38 W/m/K		MI	CR
TM	tantala coating thermal conductivity		33 W/m/K		MI	CR
TM	number of layers on ETM		18		MI	CR
TM	number of layers on ITM		9		MI	CR
TM	coating absorption	challer	0.5ppm		MI	CR
TM	AR surface absorption		1ppm		MI	CR
TM	mirror contamination		TBD		MI	CR
TM	ETM reflectivity		0.999945		MI	IF
TM	ITM reflectivity		0.996		MI	IF

TM	ETM optical loss		45ppm				MI		IF	
TM	ITM optical loss		45ppm				MI		IF	
TM	optical loss imbalance		+/−15ppm				MI		IF	
TM	finesse imbalance		0.5%				MI		IF	
TM	ITM substrate optical loss		20ppm/cm				MI	CR	IF	
TM	ITM AR surface optical loss	*	1000ppm				MI		IF	
TM	ETM mass		30kg				MI		IF	
TM	ITM mass		30kg				MI		IF	
TM	RoC error of ETM	*	1%				MI		IF	
TM	RoC error of ITM	*	1%				MI		IF	
TM	RoC of ETM		7km				MI		IF	
TM	RoC of ITM		>500km				MI		IF	
TM	RoC imbalance in two arms	*	0.5%				MI		IF	
TM	wedge angle of ETM	*	0.3deg		VA		MI		IF	
TM	wedge angle of ITM	*	0.3deg		VA		MI		IF	
TM fiber	uniformity of TM fiber		TBD			VI		CR		
TM fiber	material		Sapphire			VI		CR		
TM fiber	thermal conductivity	*	7kW/m/K at 20K			VI		CR		
TM fiber	length		30cm			VI		CR		
TM fiber	diameter		1.6mm			VI		CR		
TM fiber	number of fibers		4			VI		CR		
TM fiber	Young's modulus		400GPa			VI		CR		
TM fiber	density		4000kg/m^3			VI		CR		
TM fiber	effective temperature		16			VI		CR		
TM fiber	loss		2e−7			VI		CR		
TM fiber	yaw−mode resonant frequency		TBD			VI		CR		
TM fiber	pitch−mode resonant frequency		TBD			VI		CR		
TM fiber	yaw−mode loss		TBD			VI		CR		
TM fiber	pitch−mode loss		TBD			VI		CR		
TM fiber	yaw−mode moment of inertia		TBD			VI		CR		
TM fiber	pitch−mode moment of inertia		TBD			VI		CR		