

Note:

- 1 The recycling cavity lengths are specified in Ref:T0900043-10; the ITM and ETM were moved per E1200345
- 2 using as-built wedge angles
- 3 using IO's x-coord for PR3; new y-coord and z-coord determined by wedge angles
- 4 using IO's x & y-coords for PR2 and PRM; new z-coord determined by wedge angles
- 5 using v12 y-coord for SR3; new x-coord and z-coord determined by wedge angles
- 6 using v12 x & y-coords for SR2 and SRM; new z-coord determined by wedge angles

WEDGE			
	horizontal	vertical	thick side
ITMX 10?		0.0770	down
ITMY 11?		0.0760	down
ETMX		?	
ETMY		?	
CP-x 01	0.0690		-Y
CP-y 09?	0.0690		-X
BS 06	0.0760		+X, +Y
PRM3/SRM3		0.100	down
PRM2/SRM2		1.000	down
PRM/SRM		1.000	down
Schnupp Assymetry	80.0		
Schnupp correction	0		

OPTIC	RAY COORDINATES, mm									
	ZEMAX			GLOBAL			LOCAL			CHAMBER
	X	Y	Z	X	Y	Z	X	Y	Z	
ITMX-RADIUS	80.00	-200.00	5013.00	5013.0	-200.0	-80.0	433.0	-200.0	-80.0	LBSC3
ITMX-CP	80.01	-200.00	4793.00	4793.0	-200.0	-80.0	213.0	-200.0	-80.0	LBSC3
ITMX ELLIPTICAL BAF	82.40	-202.14	752.19	752.2	-202.1	-82.4	-3999247.8	-202.1	-82.4	LBSC2
BSAR ELLIPTICAL BAF	82.91	-202.59	-92.31	-92.3	-202.6	-82.9	20029.7	-202.6	-82.9	LBSC2
BS AR	82.93	-202.62	-136.62	-136.6	-202.6	-82.9	-136.6	-202.6	-82.9	LBSC2
PR3	94.78	-173.95	-19740.50	-19740.5	-174.0	-94.8	381.5	-174.0	-94.8	LHAM2
PR2	84.53	-530.38	-3581.69	-3581.7	-530.4	-84.5	249.3	-530.4	-84.5	LHAM3
PRM	95.80	-628.00	-20194.31	-20194.3	-628.0	-95.8	-72.3	-628.0	-95.8	LHAM2
ITMY-RADIUS	80.00	4983.10	-200.00	-200.0	4983.1	-80.0	-200.0	403.1	-80.0	LBSC1
ITMY-CP	80.01	4763.10	-200.00	-200.0	4763.1	-80.0	-200.0	183.1	-80.0	LBSC1
ITMY ELLIPTICAL BAF	82.35	751.80	-202.12	-202.1	751.8	-82.3	-202.1	-3828.2	-82.3	LBSC2
BSHR ELLIPTICAL BAF	82.88	-141.46	-202.60	-202.6	-141.5	-82.9	22489.4	-141.5	-82.9	LBSC2
BS HR	82.91	-183.89	-202.63	-202.6	-183.9	-82.9	-202.6	-183.9	-82.9	LBSC2
BS ARS	82.93	-249.82	-183.99	-184.0	-249.8	-82.9	-184.0	-249.8	-82.9	LBSC2
SR3	94.49	-19615.89	-174.22	-174.2	-19615.9	-94.5	-174.2	506.1	-94.5	LHAM5
SR2	104.36	-4178.10	-594.10	-594.1	-4178.1	-104.4	-594.1	-347.1	-104.4	LHAM4
SRM	113.22	-19908.58	305.40	305.4	-19908.6	-113.2	305.4	213.4	-113.2	LHAM5
OUTPUT FARADAY IN	117.19	-20474.11	337.61	337.6	-20474.1	-117.2	337.6	-352.1	-117.2	LHAM5
OUTPUT FARADAY OUT	117.45	-20976.89	362.27	362.3	-20976.9	-117.4	362.3	-854.9	-117.4	LHAM5
ISC STEERING MIRROR	118.75	-23317.00	507.63	507.6	-23317.0	-118.8	507.6	-625.0	-118.8	LHAM6
ETMX	80.0	-200.0	3999498.0	3999498.0	-200.0	-80.0	-502.0	-200.0	-80.0	LBSC9
ETMY	80.0	3999468.1	-200.0	-200.0	3999468.1	-80.0	-200.0	-531.9	-80.0	LBSC10

CAVITY LENGTH										
	ACTUAL	DESIGN	DIFF							
AC length	3994485.0	3994485.0	0.0							
PRC length	57656.45	57656.00	-0.5							
SRC length	56008.02	56008.00	0.0							
Arm Cavity X length	3994485.0	3994485.0	0.0							
Arm Cavity Y length	3994485.0	3994485.0	0.0							
Schnupp Assymetry	80	80	0.0							
n (1064nm)	1.44963									
GLOBAL										
CHAMBER										
LBSC1			0.0	4580.0	0.0					
LBSC2			0.0	0.0	0.0					
LBSC3			4580.0	0.0	0.0					
LBSC9			4000000.0	0.0	0.0					
LBSC10			0.0	4000000.0	0.0					
LHAM1			-22692.0	0.0	0.0					
LHAM2			-20122.0	0.0	0.0					
LHAM3			-3831.0	0.0	0.0					
LHAM4			0.0	-3831.0	0.0					
LHAM5			0.0	-20122.0	0.0					
LHAM6			0.0	-22692.0	0.0					

