





Note: The following recycling cavity lengths are based upon an arm cavity length = 3994500 mm, Ref:T0900043-10						
<b>CAVITY LENGTH</b>						
	<b>ACTUAL</b>	<b>DESIGN</b>	<b>DIFF</b>			
AC length	3994500.0	3994500.0	0.0			
PRC length	57655.98	57656.00	0.0			
SRC length	56008.03	56008.00	0.0			
Arm Cavity X length	3994500.0	3994500.0	0.0			
Arm Cavity Y length	3994500.0	3994500.0	0.0			
Schnupp Assymetry	50	50	0.0			
n	1.44963					
				<b>GLOBAL</b>		
<b>CHAMBER</b>				<b>X</b>	<b>Y</b>	<b>Z</b>
LBSC1				0.0	4580.0	0.0
LBSC2				0.0	0.0	0.0
LBSC3				4580.0	0.0	0.0
LBSC4				4000000.0	0.0	0.0
LBSC5				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



z	x	y	Comment	distance	index	optical path	average length	Schnupp	design length
z	x	y	Comment	distance	index	optical path	average length	Schnupp	design length
<b>ACTUAL SPACING</b>									
<b>SIGNAL RECYCLING CAVITY</b>									
				<b>Y-ARM</b>					
-80.0	-200.0	4998.1	ITMY-RADIUS			0.0			
-80.0	-200.0	4898.1	ITMY-RADIUS	100.0	1.44963	145.0			
-80.0	-200.0	4798.1	ITMY-RADIUS	100.0	1.44963	145.0			
-80.0	-200.0	4778.1	ITMY-CP	20.0	1.000	20.0			
-80.0	-200.0	4678.1	ITMY-CP	100.0	1.44963	145.0			
-80.0	-202.6	-184.6	B SHR	4862.8	1.000	4862.8			
-82.9	-184.8	-247.9	BS ARS	65.8	1.44963	95.3			
-94.5	-175.5	-19615.9	SRM3	19368.0	1.000	19368.0			
-84.8	-594.3	-4160.4	SRM2	15461.2	1.000	15461.2			
-94.2	305.2	-19875.6	SRM	15740.9	1.000	15740.9			
						55983.1			
				<b>X-ARM</b>					
-80.0	4998.0	-200.0	ITMX-RADIUS	0.0	1.44963	0.0			
-80.0	4898.0	-200.0	ITMX-RADIUS	100.0	1.44963	145.0			
-80.0	4798.0	-200.0	ITMX-RADIUS	100.0	1.44963	145.0			
-80.0	4778.0	-200.0	ITMX-CP	20.0	1.000	20.0			
-80.0	4678.0	-200.0	ITMX-CP	100.0	1.44963	145.0			
-82.9	-139.4	-202.6	BS AR	4817.4	1.000	4817.4			
-82.9	-202.6	-184.6	B SHR	65.8	1.44963	95.4			
-82.9	-184.8	-247.9	BSARS	65.7	1.44963	95.2			
-94.5	-175.5	-19615.9	SRM3	19368.0	1.000	19368.0			
-84.8	-594.3	-4160.4	SRM2	15461.2	1.000	15461.2			
-94.2	305.2	-19875.6	SRM	15740.9	1.000	15740.9			
						56033.0	<b>56008.0</b>	<b>50</b>	