





Note: The following recycling cavity lengths are based upon an arm cavity length = 3996000 mm, Ref:T0900043-10

CAVITY LENGTH			
	ACTUAL	DESIGN	DIFF
AC length	3996000.0	3996000.0	0.0
PRC length	60411.0	60411	0.0
SRC length	62137.0	62137	0.0
Arm Cavity X length	3996000.0	3996000.0	0.0
Arm Cavity Y length	3996000.0	3996000.0	0.0
Schnupp Asymmetry	50	50	-0.4
n	1.44963		

CHAMBER	GLOBAL		
	X	Y	Z
WBSC4	9220.0	9220.0	0.0
WBSC5	4006370.0	0.0	0.0
WBSC6	0.0	4006370.0	0.0
WBSC7	9369.0	0.0	0.0
WBSC8	0.0	9369.0	0.0
WHAM7	31912.0	9220.0	0.0
WHAM8	29342.0	9220.0	0.0
WHAM9	13051.0	9220.0	0.0
WHAM10	9220.0	13051.0	0.0
WHAM11	9220.0	29342.0	0.0
WHAM12	9220.0	31912.0	0.0

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z	x	y	Comment	distance	index	optical path	average length	Schnupp	design length
<b>ACTUAL SPACING</b>									
<b>POWER RECYCLING CAVITY</b>									
<b>Y-ARM</b>									
-80.0	200	4005897.7	ETMY						
-80.0	200.0	9897.7	ITMY-RADIUS			0.0			
-80.0	200.0	9797.7	ITMY-RADIUS	100.0	1.450	145.0			
-80.0	200.0	9697.7	ITMY-RADIUS	100.0	1.450	145.0			
-80.0	200.0	9677.7	ITMY-CP	20.0	1.000	20.0			
-80.0	200.0	9577.7	ITMY-CP	100.0	1.450	145.0			
-80.4	199.7	9004.4	FMY	573.3	1.000	573.3			
-90.6	9075.4	9113.7	BSAR	8876.4	1.000	8876.4			
-90.7	9139.1	9096.1	Bshr	66.1	1.450	95.8			
-113.1	28559.9	9315.0	PRM3	19422.1	1.000	19422.1	29422.4		
-149.5	13359.7	9750.5	PRM2	15206.5	1.000	15206.5	15206.5		
-167.8	29122.8	8569.2	PRM	15807.3	1.000	15807.3	15807.3		
						60436.2			
<b>X-ARM</b>									
-80.0	4005920.7	200.0	ETMX						
-80.0	9920.7	200.0	ITMX-RADIUS			0.0			
-80.0	9820.7	200.0	ITMX-RADIUS	100.0	1.450	145.0			
-80.0	9720.7	200.0	ITMX-RADIUS	100.0	1.450	145.0			
-80.0	9700.7	200.0	ITMX-CP	20.0	1.000	20.0			
-80.0	9600.7	200.0	ITMX-CP	100.0	1.450	145.0			
-80.4	9003.1	199.7	FMX	597.6	1.000	597.6			
-90.7	9139.1	9096.1	Bshr	8897.4	1.000	8897.4			
-113.1	28559.9	9315.0	PRM3	19422.1	1.000	19422.1			
-149.5	13359.7	9750.5	PRM2	15206.5	1.000	15206.5			
-167.8	29122.8	8569.2	PRM	15807.3	1.000	15807.3			
						60385.8	<b>60411.0</b>	<b>50.4</b>	

