DLM#-1###						
APS Upgrade	Module Assembly					
Survey Date:	Thursday, November 0	4, 2021				
Surveyor(s):	me MYSEFL AND i					
Instrument s/n:	38888					
SA Version:	SA 2021.2.71490.1 ( x6	4)				
SA Filename:	Tab 1 INFO test.xit64					
Report created on:	November 06, 2021					
Units of measure:	meters, milliradians					
Quadrupole	Q1 Production Magnet	- [DQ105]				
Fast Corrector	8-Pole Fast Corrector Production Magnet - [MFC130]					
Quadrupole	Q2 Production Magnet	- [SQ215]				
Dipole Magnet	M1 Production Magnet	:-[DM127]				
Quadrupole	Q3 Production Magnet	- [SQ315]				
Sextupole magnet	S1/S3 Production Magr	<u>net - [DS1150]</u>				
Quadrupole	Q4 Reverse Bend Quad	rupole Magnet - [DQ478	<u>3]</u>			
Sextupole magnet	S2 Sextupole Magnet -	[ES2077]				
Quadrupole	Q5 Production Magnet	<u>- [DQ569]</u>				
Fast Corrector	8-Pole Fast Corrector P	roduction Magnet - [MF	<u>C107]</u>			
Sextupole magnet	S1/S3 Production Magr	<u>net - [DS1113]</u>				
Alignment Summary:						
DA04	X (m)	Y (m)	Z (m)	Pitch (mr)	Yaw (mr)	Roll (mr)
DA04 AQ1 0	0.000022	0.000010	-0.000164	-0.037	-0.052	-0.065
DA04_AQ1_0	-0.000022	-0.000010	-0.000164	-0.037	-0.032	0.031
DA04_AQ2_0	-0.000012	-0.000011	-0.000162	-0.021	0.094	0.052
DA04_AQ3_0	-0.000007	0.000007	0.000059	-0.092	0.091	-0.007
	0.000021	0.000001	0.000039	-0.092	0.036	-0.007
DA04_AQ4_V DA04_AS2_0	0.000027	-0.000009	0.000024	-0.073	0.036	-0.031
DA04_AQ5_V	-0.000046	-0.000003	0.000085	-0.003	-0.226	0.022
DA04_AS3_0	0.000009	0.000000	0.000159	-0.054	-0.028	0.007
Average	-0.000001	-0.000001	0.000012	-0.059	-0.023	0.000
RMS		0.000007	0.000122	0.068	0.116	0.035
ABS Max		0.000000	0.000000	0.000	0.000	0.000