

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5740 - L2 Version 3
Chandra X-Ray Center

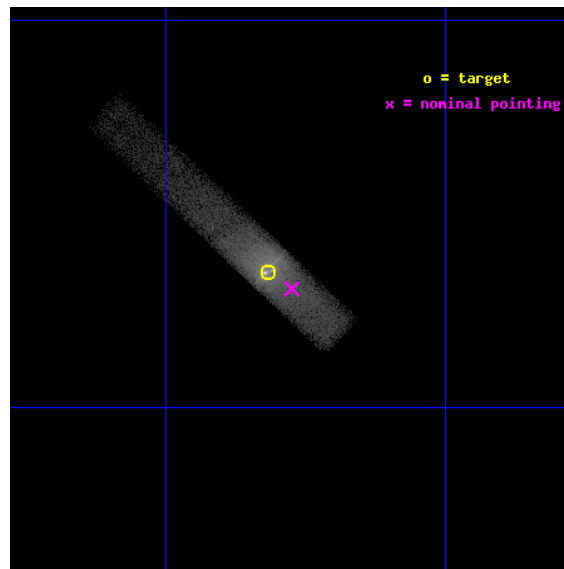
L2 Processing Date : Dec 22 2012

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1 Front

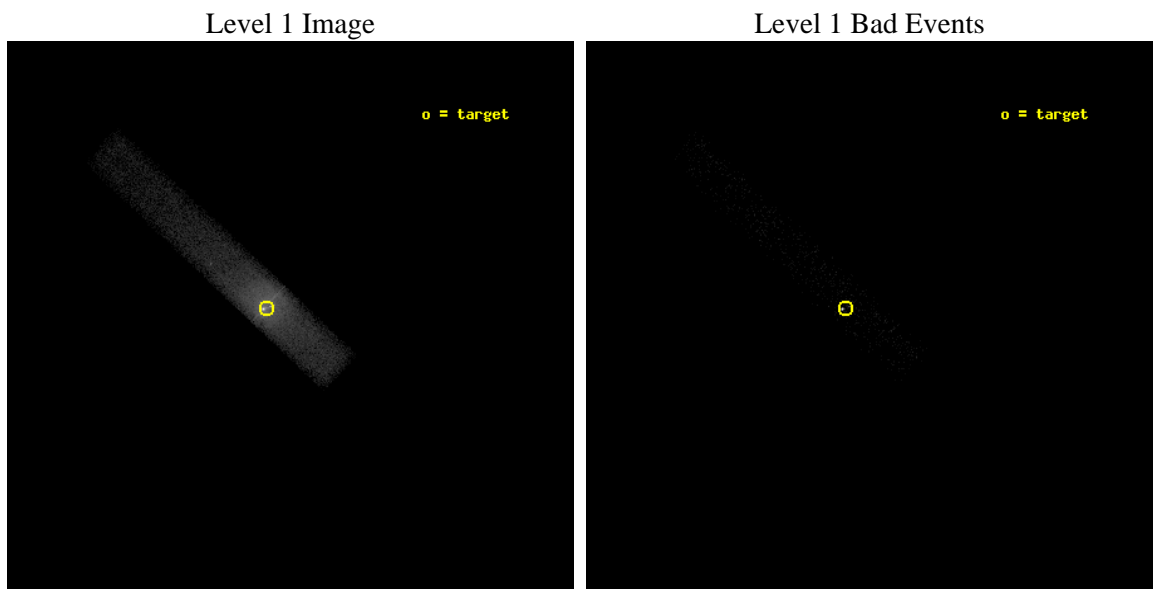
seq_num	701162	Sequence number
obs_id	5740	Observation id
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)	Pro
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.6937148416	Nominal RA [deg]
dec_nom	12.384373280878	Nominal Dec [deg]
roll_nom	223.21258337326	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5180.8000771701	Sum of GTIs [s]
livetime	4698.712204943	Livetime [s]
ontime7	5180.8000771701	Sum of GTIs [s]
l2events	59383	Number of level 2 events



2 OBI

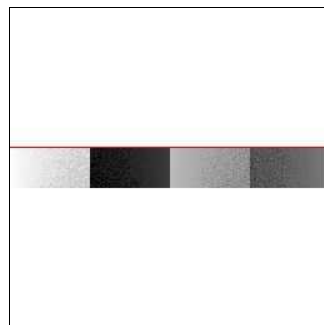
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5180.8000771701	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5180.8000771701	Sum of GTIs [s]
date	2012-12-22T15:28:13	Date and time of file creation	l1events	76496	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

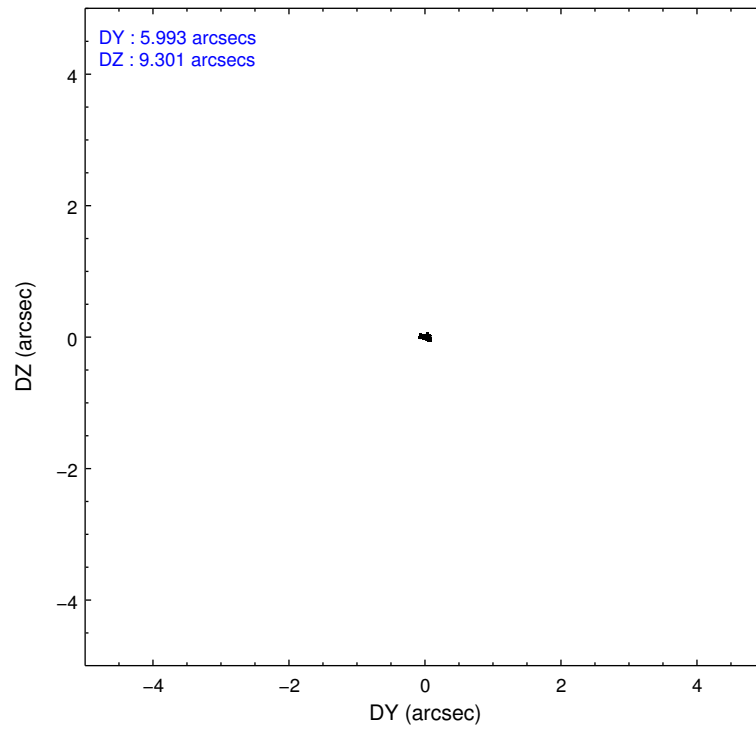
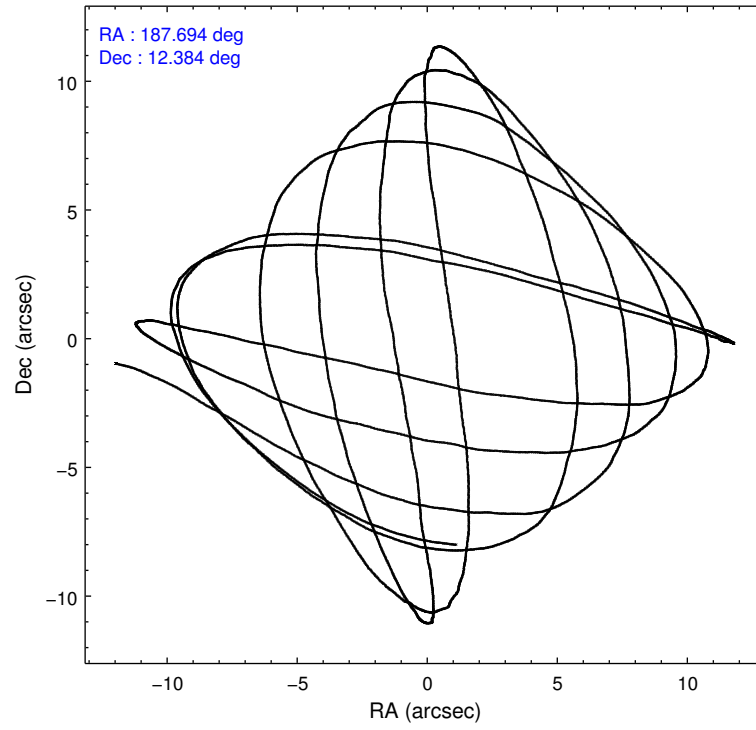
	ccd 7
level 1 events	76496
rejected events	16543
rejected %	21%

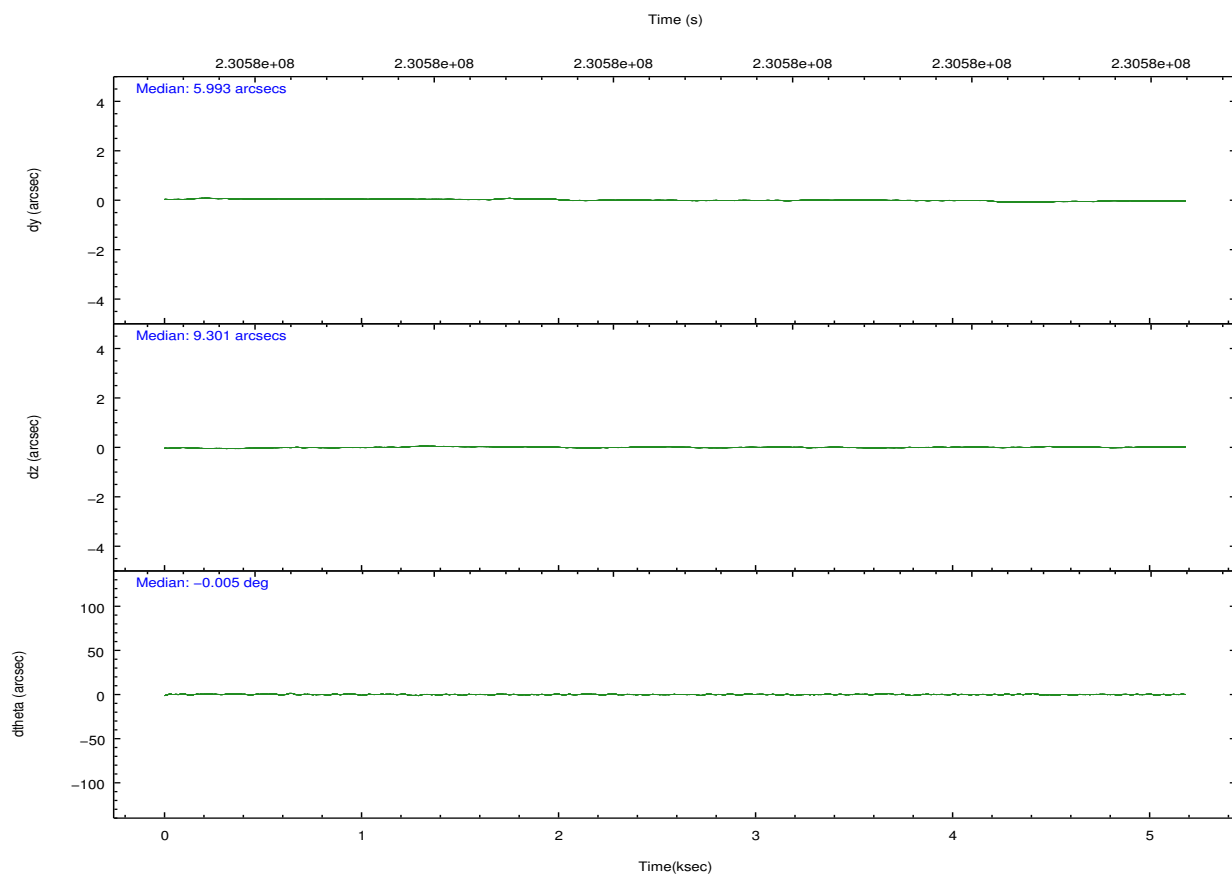
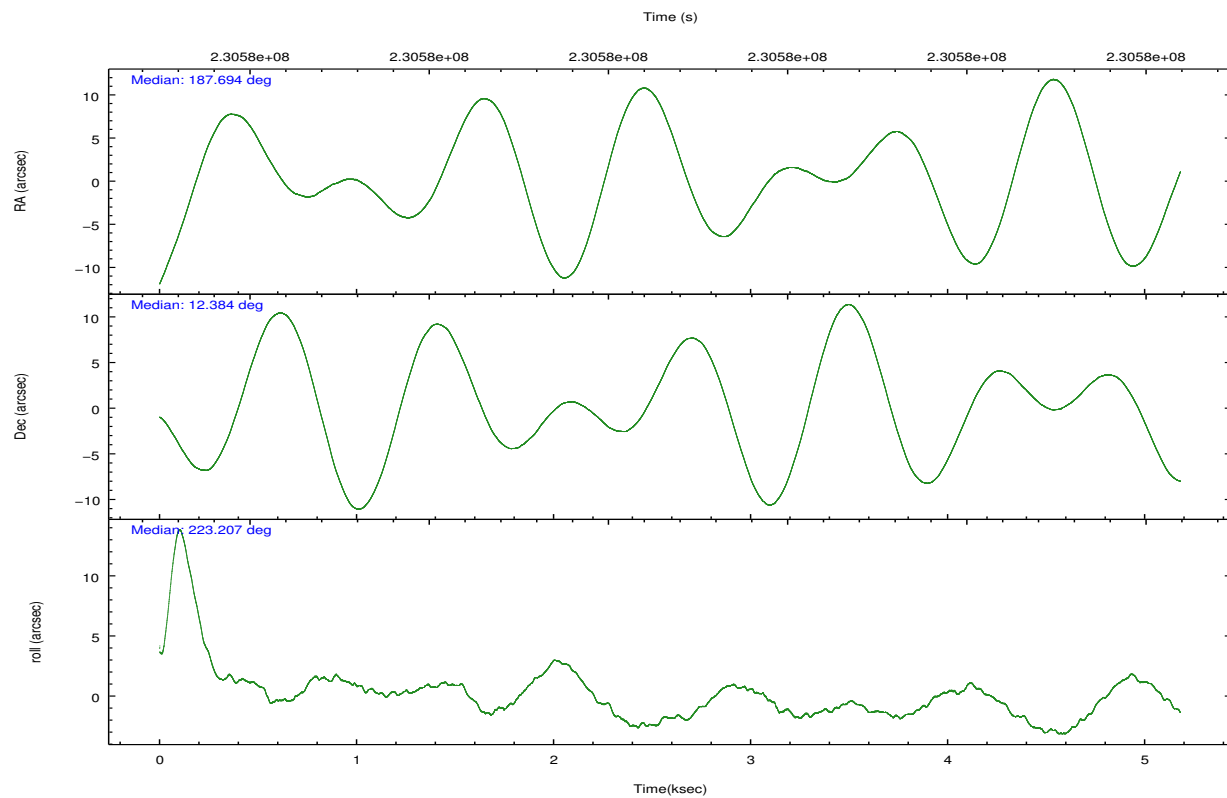
	ccd 7
grade 0 events	18826
	24%
grade 1 events	443
	0%
grade 2 events	15205
	19%
grade 3 events	7038
	9%
grade 4 events	6722
	8%
grade 5 events	2865
	3%
grade 6 events	14184
	18%
grade 7 events	11213
	14%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.701441	187.6937148415995	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.410629	12.3843732808781	Subarray start row	449	449
[deg] Pointing Roll	223.054294	223.2125833732607	Subarray row count	128	128
[s] Window start time (MET)	230169664.184000	230169664.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	230774464.184000	230774464.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	230574933.184000	230574031.1239			
Observation start date	2005-04-22T16:34:29	2005-04-22T16:20:31			
[s] Observation end time (MET)	230579933.184000	230581771.92425			
Observation end date	2005-04-22T17:57:49	2005-04-22T18:29:31			
Read mode	TIMED	TIMED			

2.3 Aspect



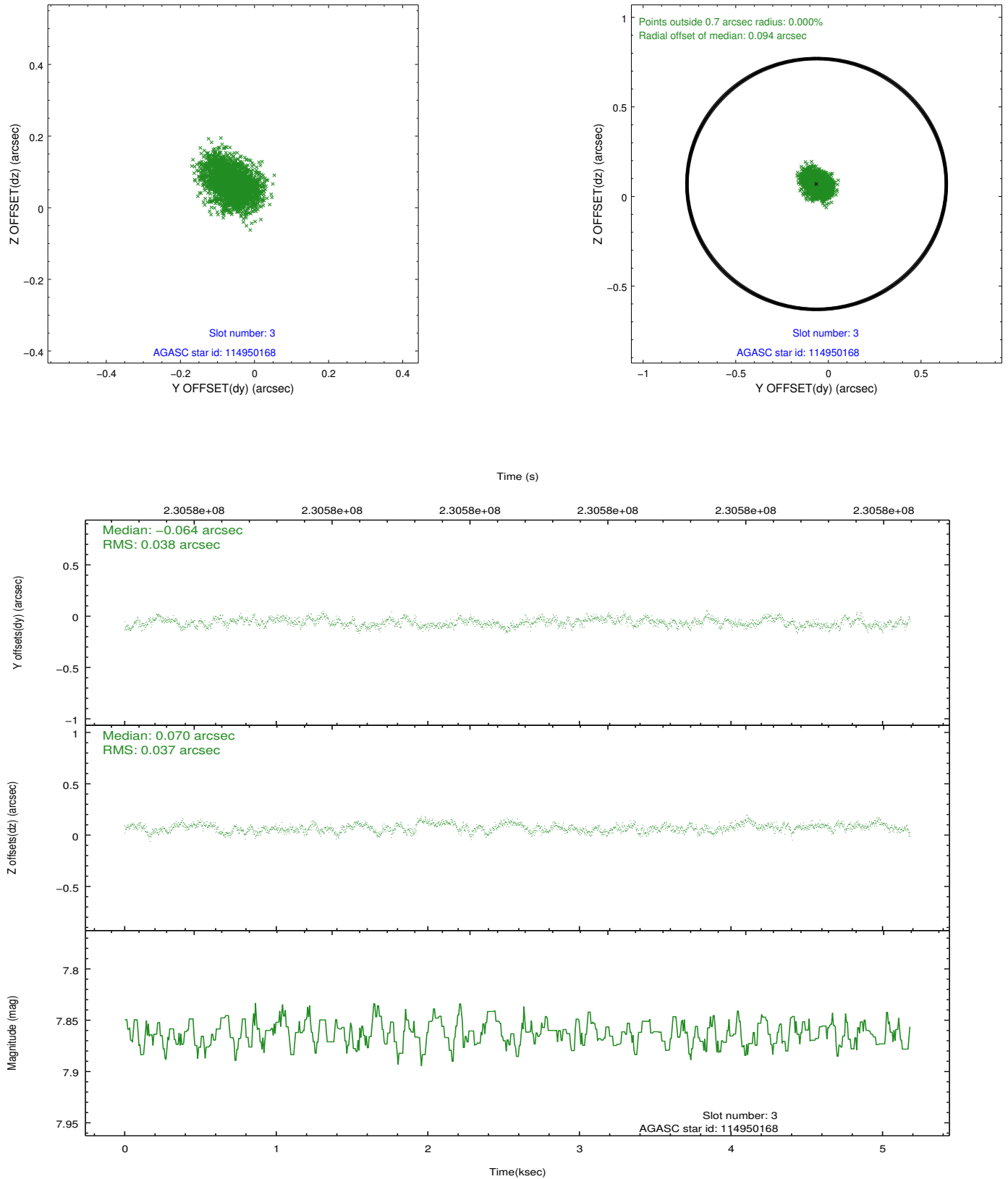


Slot Statistics

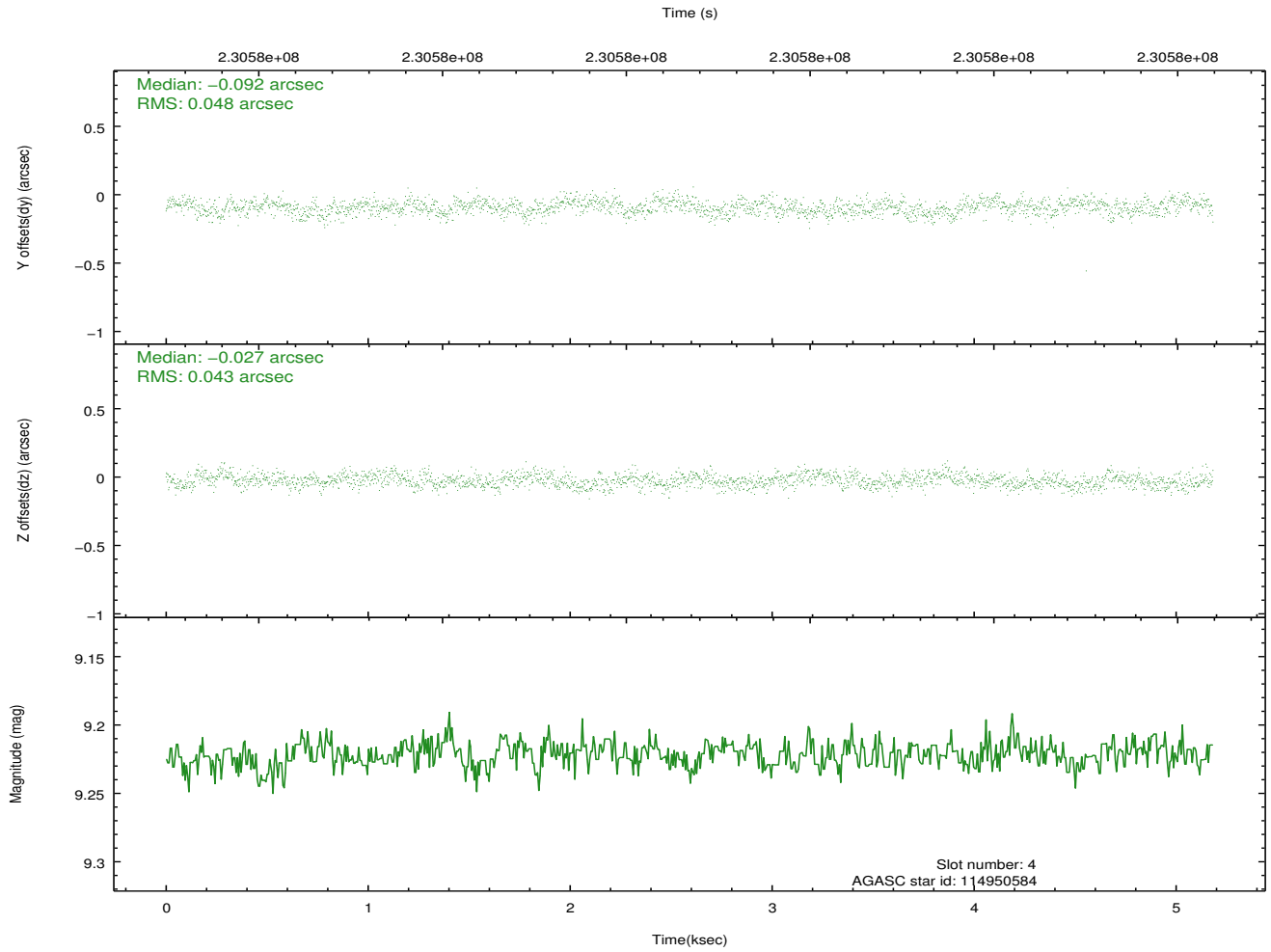
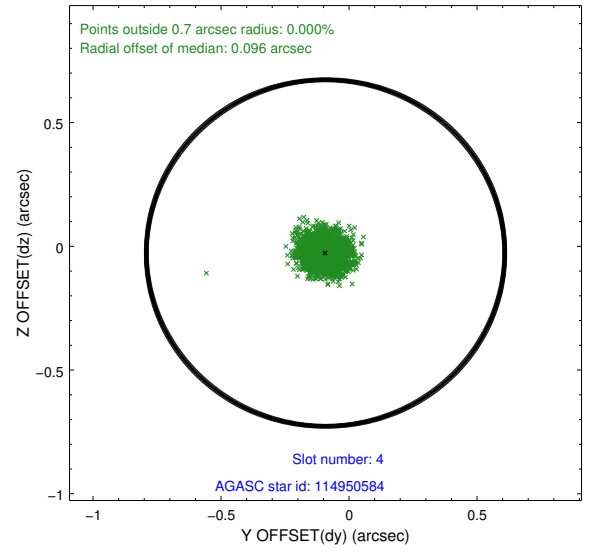
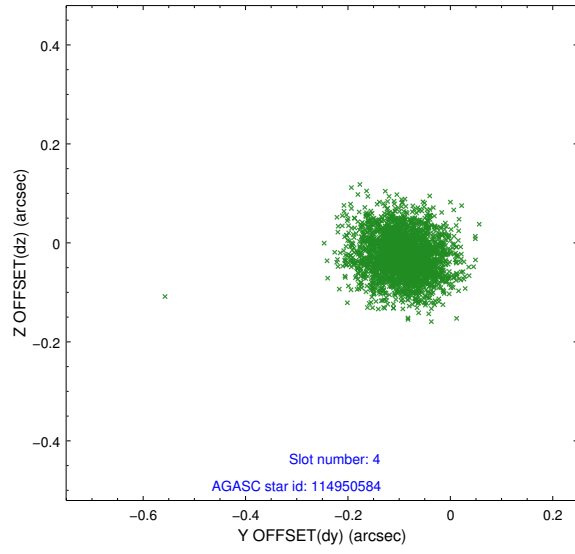
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.067	-0.056	0.007	0.011	0.000000	0.000000	-758.77	-1730.59
1	FID	ACIS-S-4	7.20	1264	0.124	0.047	0.006	0.010	0.000000	0.000000	2154.15	176.81
2	FID	ACIS-S-5	7.23	1264	-0.088	0.017	0.007	0.012	0.000000	0.000000	-1810.15	171.75
3	GUIDE	114950168	7.86	2529	-0.064	0.070	0.057	0.090	187.143398	12.117441	2154.44	-570.97
4	GUIDE	114950584	9.22	2527	-0.092	-0.027	0.069	0.110	187.487323	11.827248	1985.63	1019.07
5	GUIDE	114952824	8.58	2528	0.011	0.065	0.070	0.114	187.703904	12.486727	-192.41	-194.08
6	GUIDE	114955056	8.32	2529	0.079	-0.127	0.058	0.094	187.914001	12.127854	147.97	1254.00
7	GUIDE	114956608	9.66	2527	0.068	0.023	0.109	0.180	187.452443	11.725979	2324.14	1202.02

2.4 Star Slots

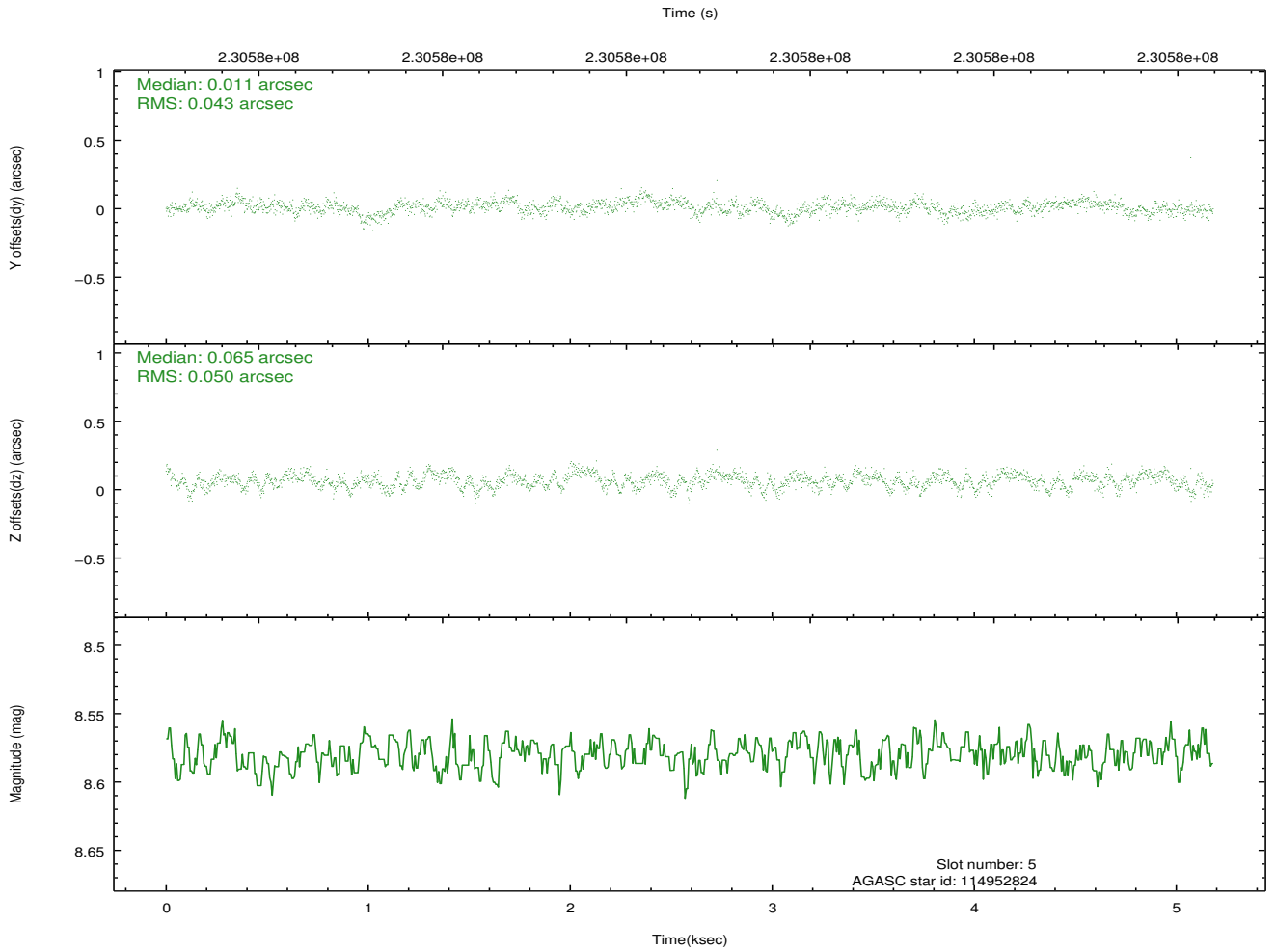
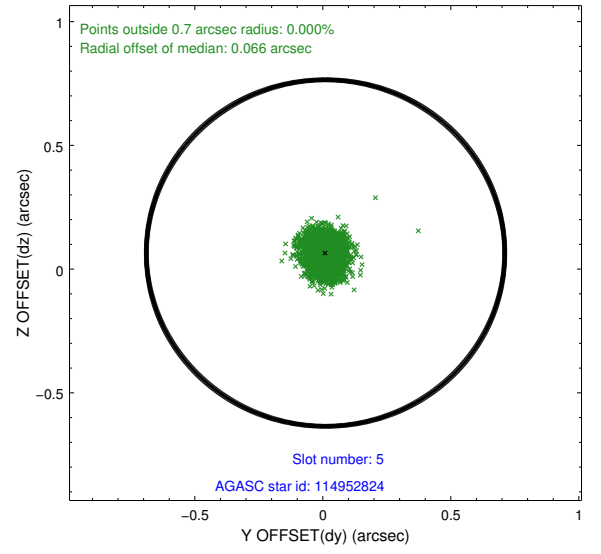
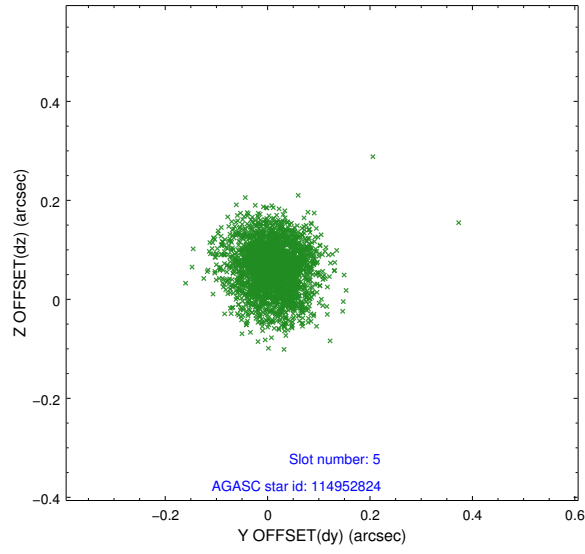
2.4.1 Slot 3



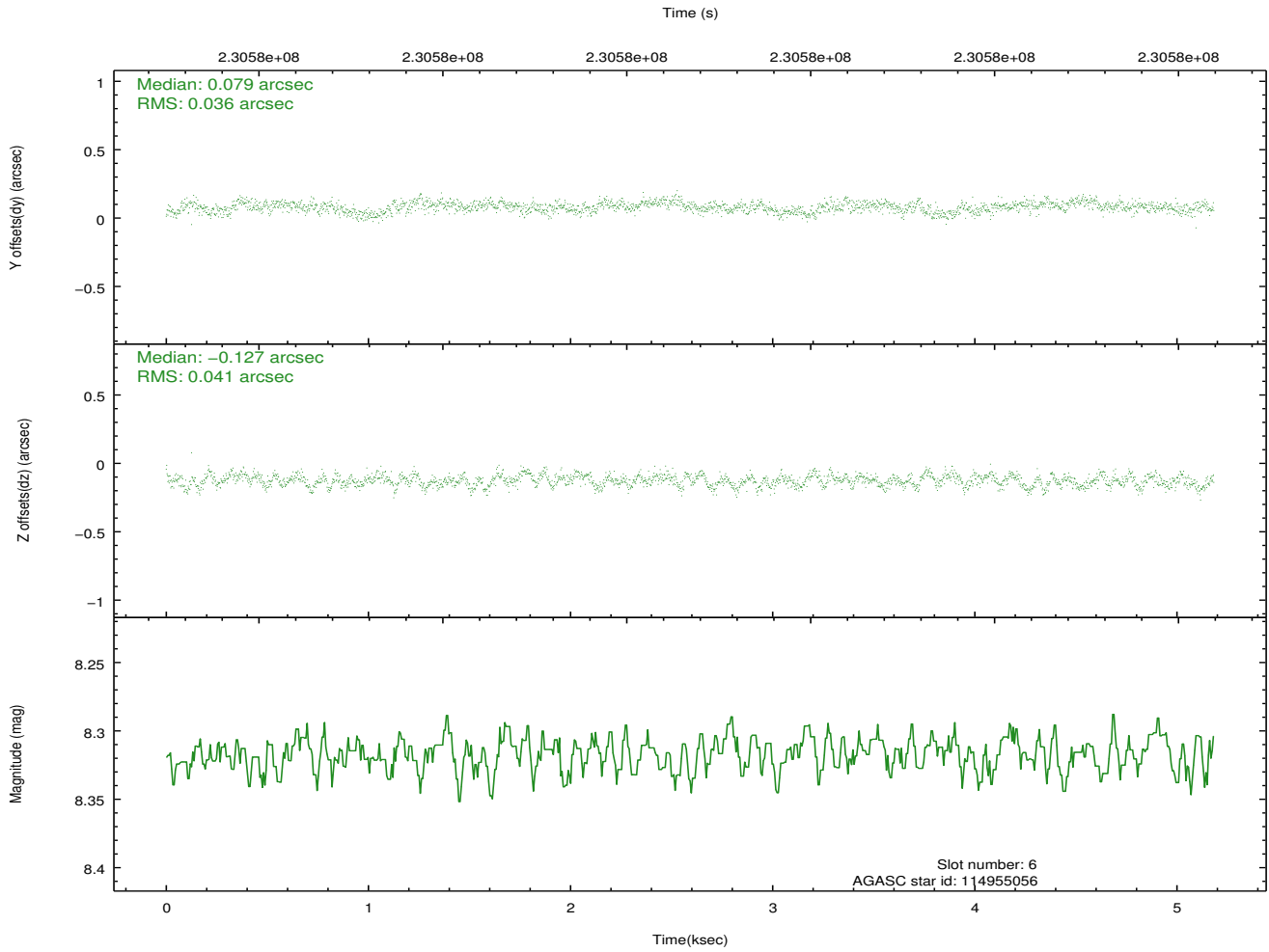
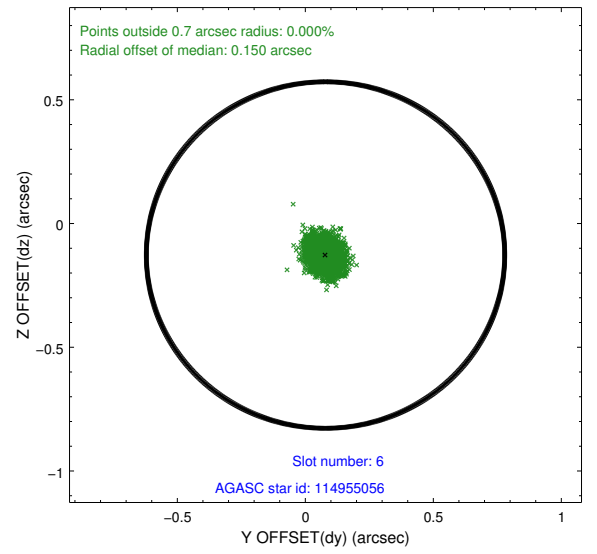
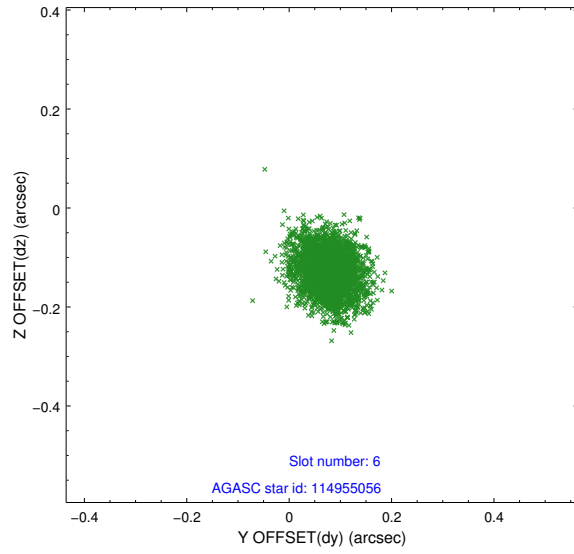
2.4.2 Slot 4



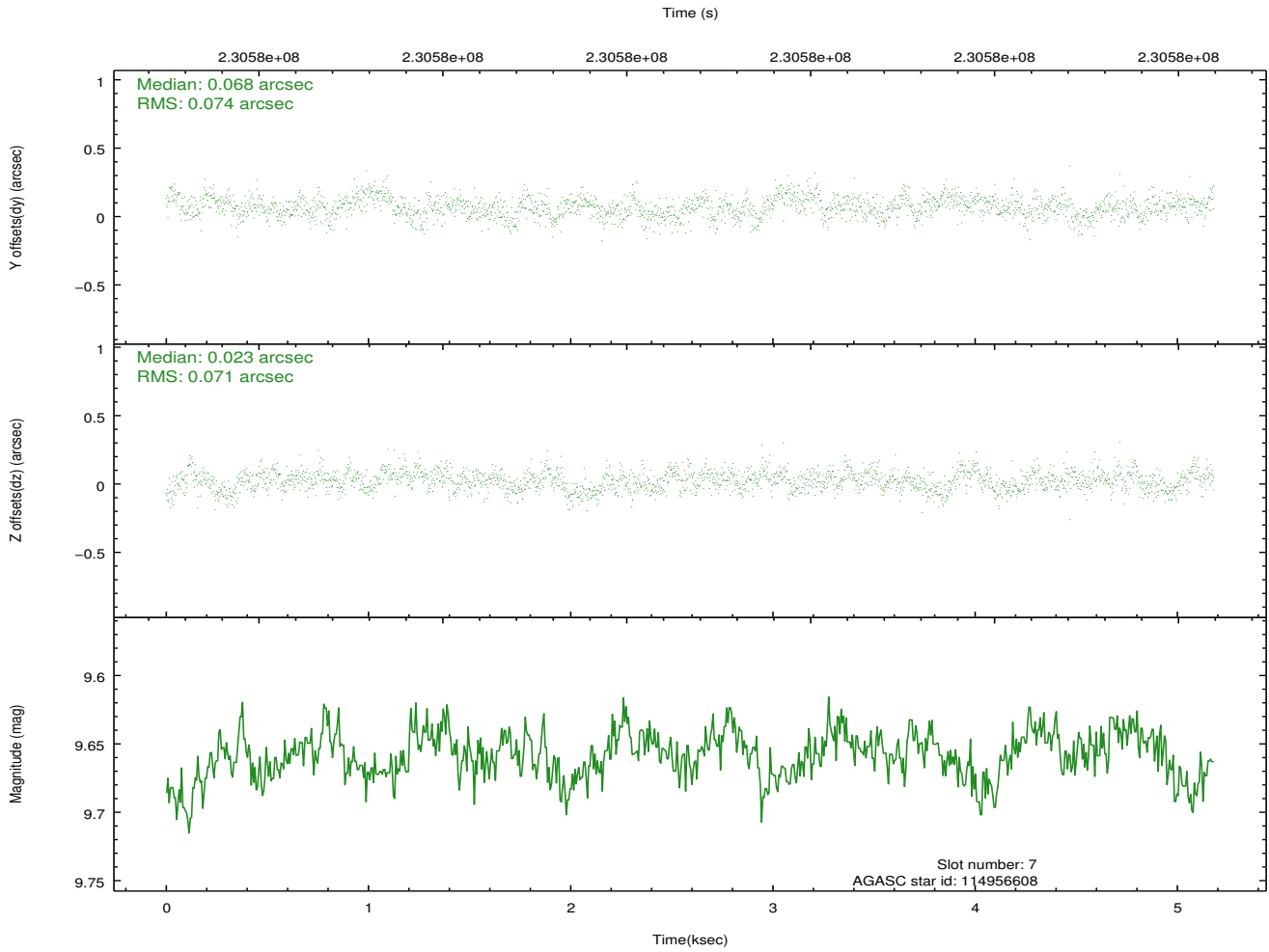
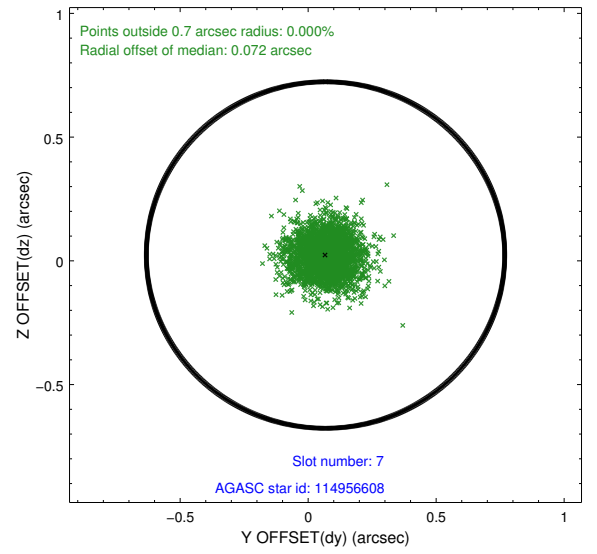
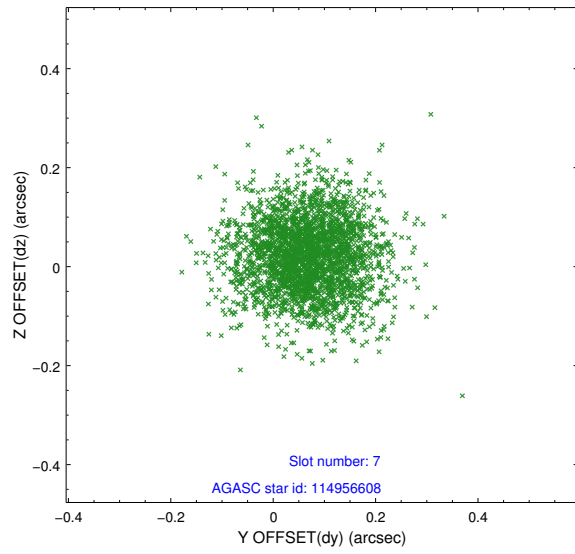
2.4.3 Slot 5



2.4.4 Slot 6

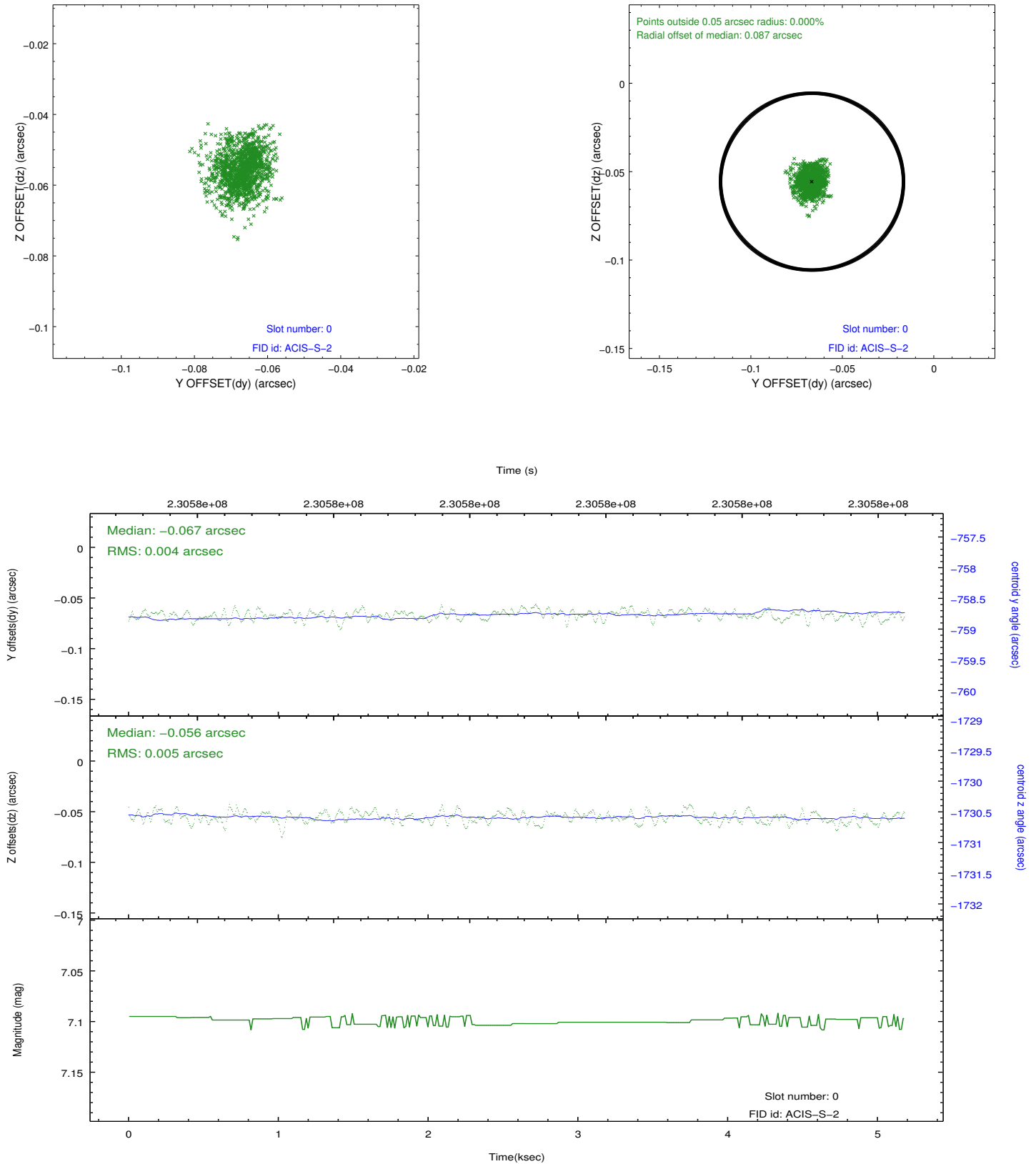


2.4.5 Slot 7

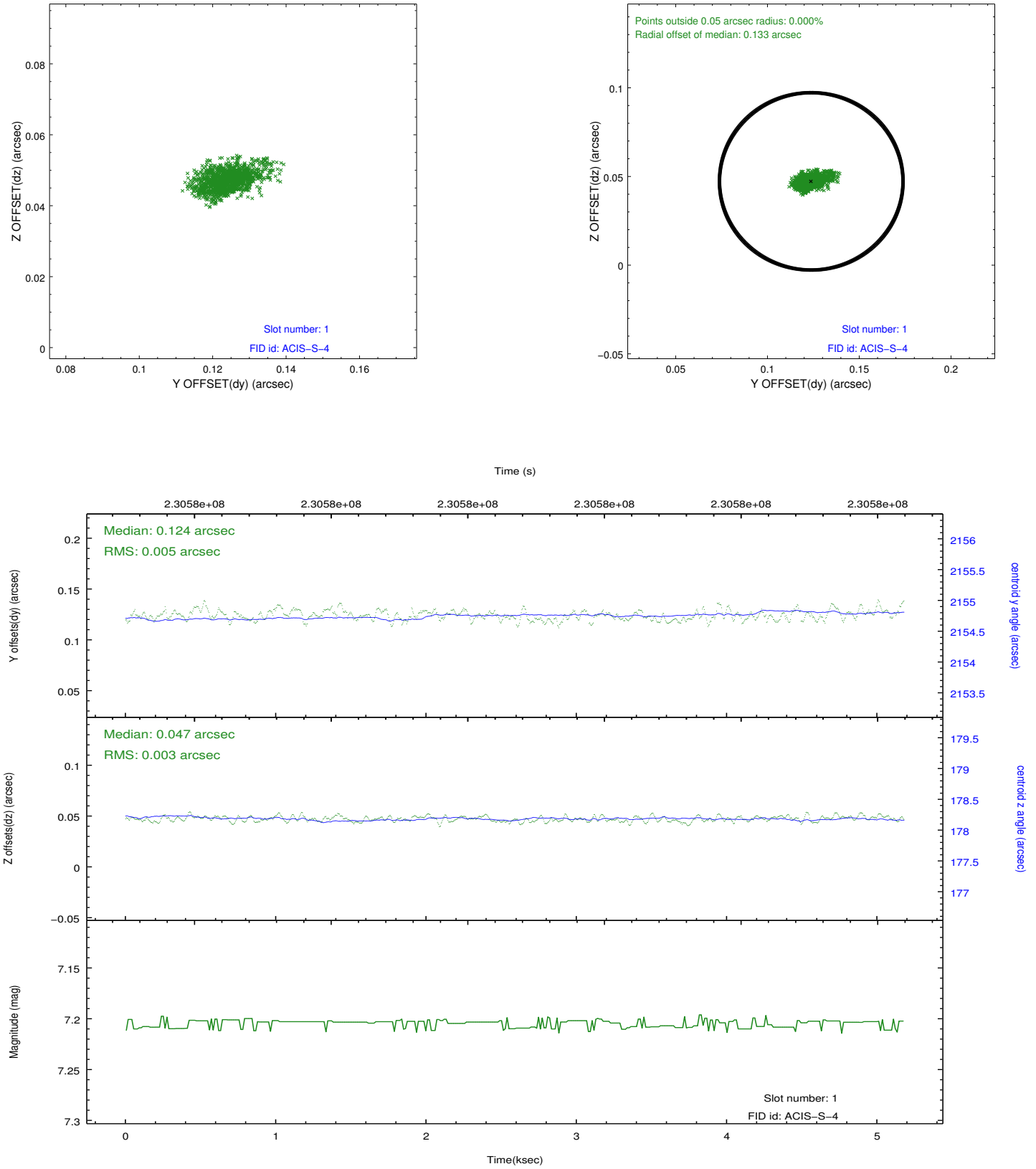


2.5 FID Slots

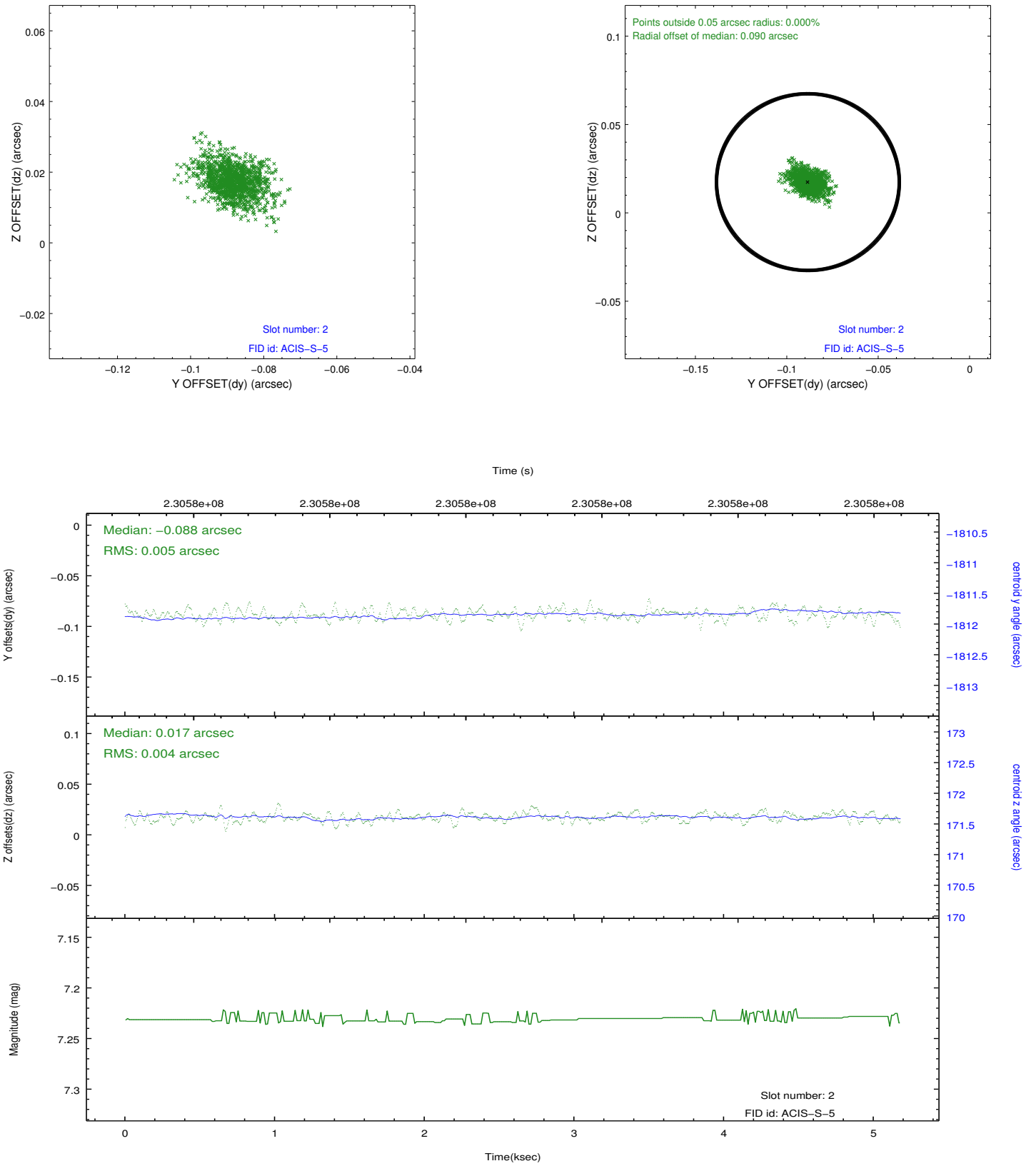
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1808

A.2 Comments

Window constraint met. Joint Proposal: CX0-HST