

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4923 - L2 Version 3
Chandra X-Ray Center

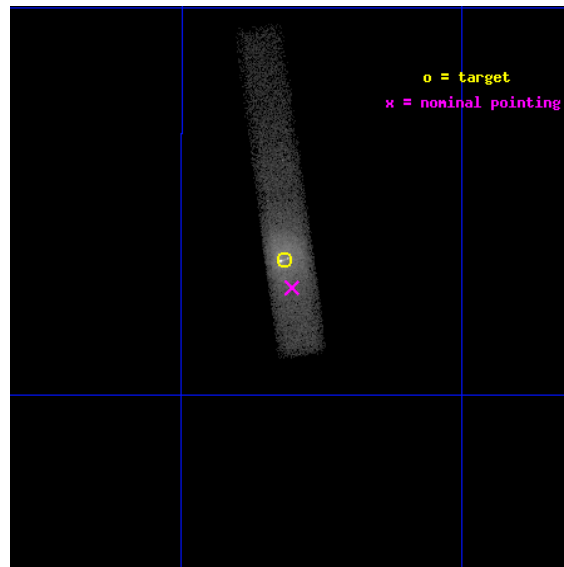
L2 Processing Date : Dec 6 2012

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1 Front

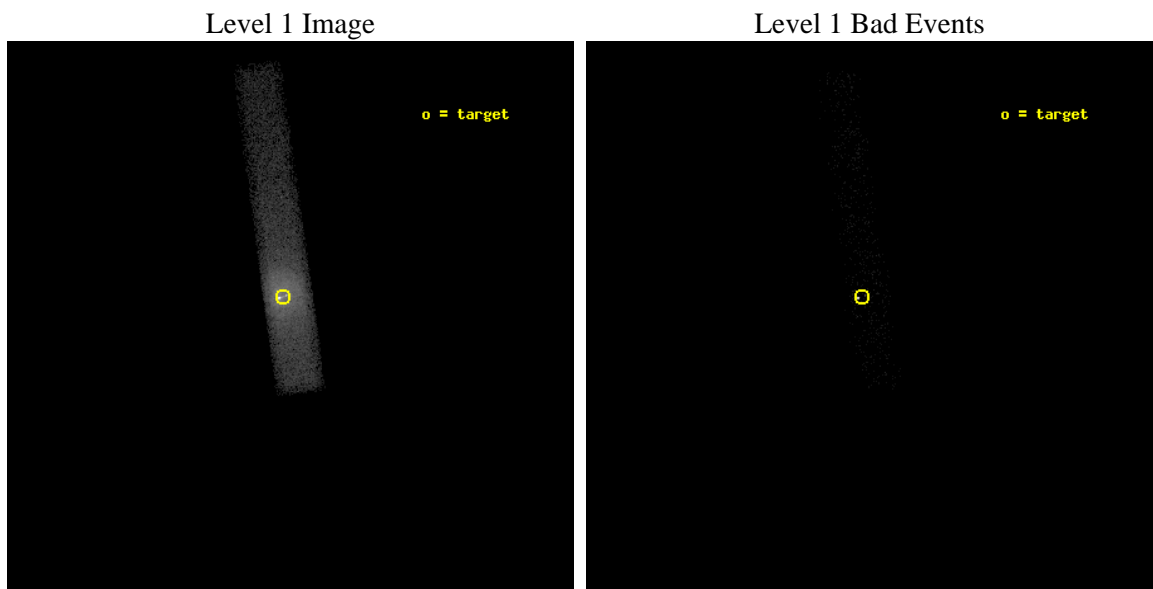
seq_num	701004	Sequence number
obs_id	4923	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70079754141	Nominal RA [deg]
dec_nom	12.379622111153	Nominal Dec [deg]
roll_nom	262.15732433241	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5108.8000760972	Sum of GTIs [s]
livetime	4633.4120044416	Livetime [s]
ontime7	5108.8000760972	Sum of GTIs [s]
l2events	58289	Number of level 2 events



2 OBI

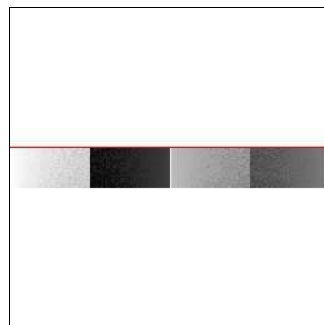
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	5108.8000760972	Sum of GTIs [s]
caldsver	4.5.4	 	ontime7	5108.8000760972	Sum of GTIs [s]
date	2012-12-06T23:04:32	Date and time of file creation	l1events	67453	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

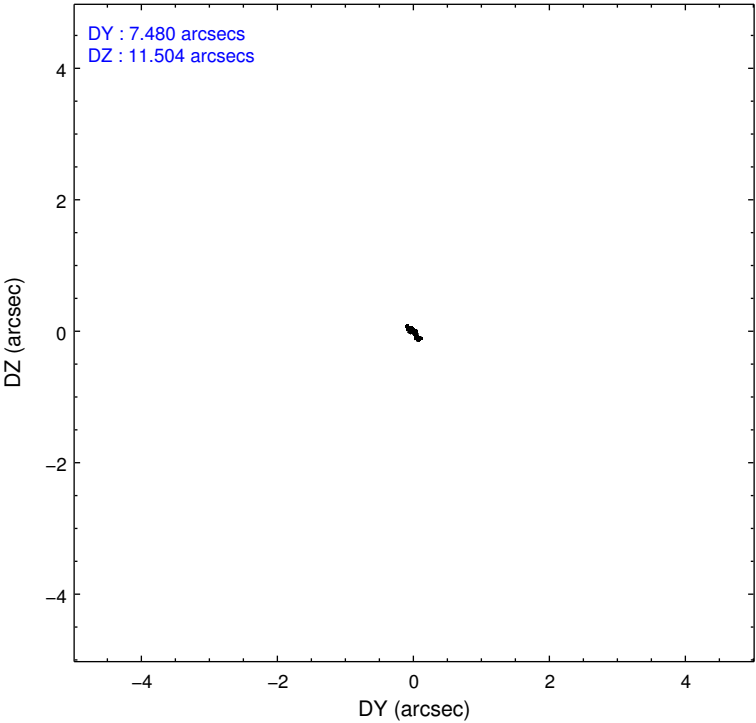
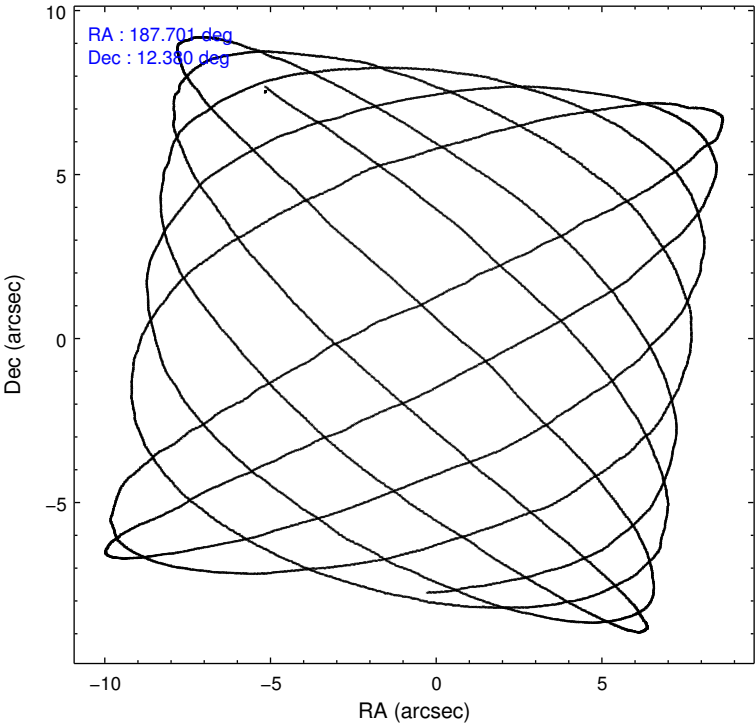
	ccd 7
level 1 events	67453
rejected events	8559
rejected %	12%

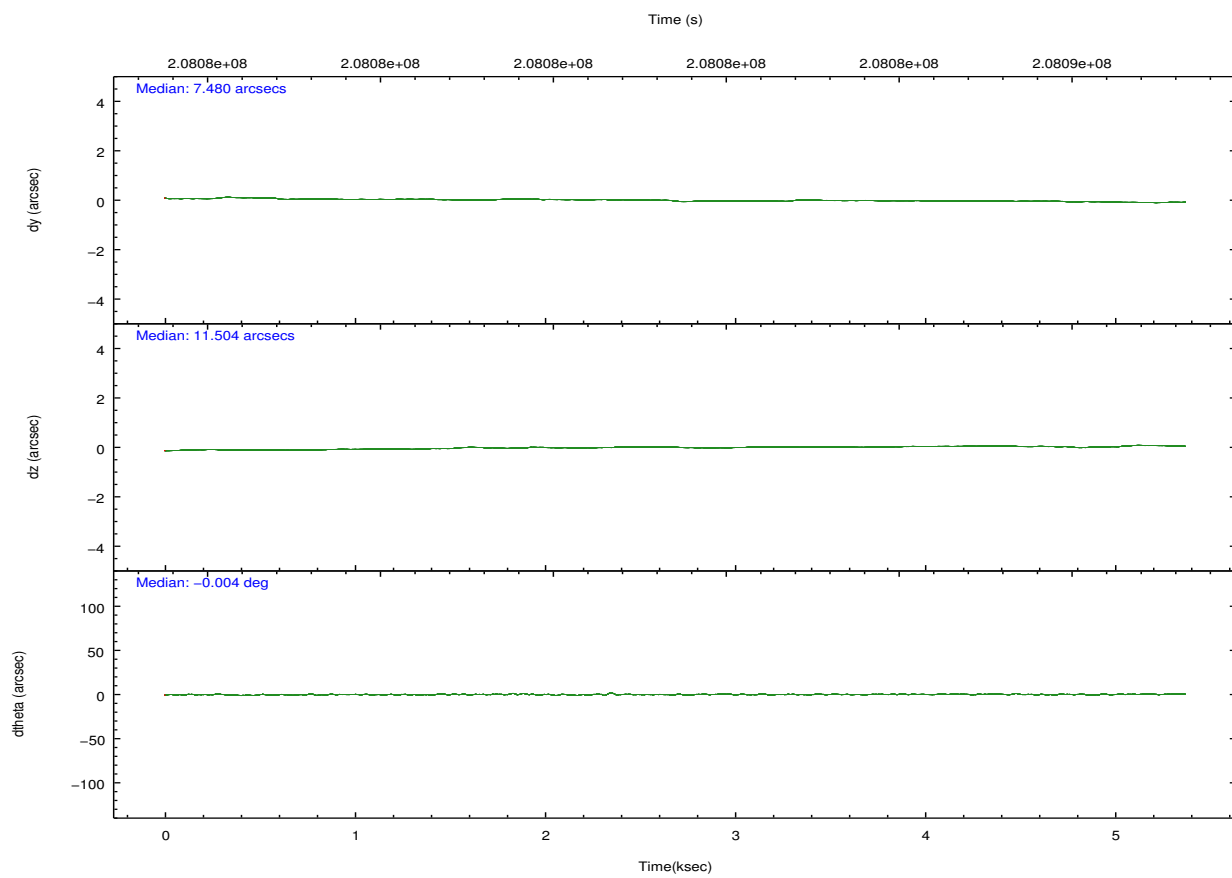
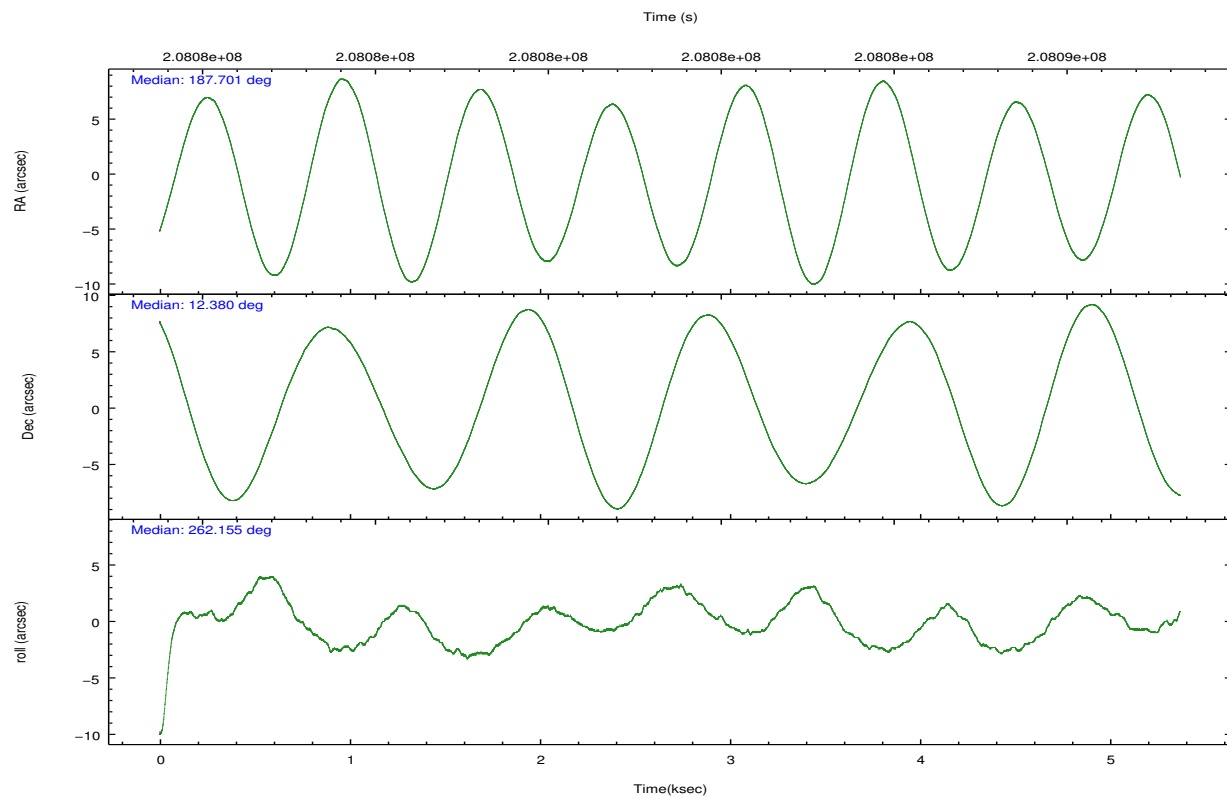
	ccd 7
grade 0 events	18155
	26%
grade 1 events	425
	0%
grade 2 events	14830
	21%
grade 3 events	6747
	10%
grade 4 events	6606
	9%
grade 5 events	2407
	3%
grade 6 events	12580
	18%
grade 7 events	5703
	8%

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	187.689852	187.7007975414068	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.404746	12.37962211115322	Subarray start row	449	449
[deg] Pointing Roll	262.003071	262.1573243324142	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	208081292.184000	208080711.58704			
Observation start date	2004-08-05T08:20:28	2004-08-05T08:11:51			
[s] Observation end time (MET)	208086392.184000	208086862.61231			
Observation end date	2004-08-05T09:45:28	2004-08-05T09:54:22			
Read mode	TIMED	TIMED			

2.3 Aspect



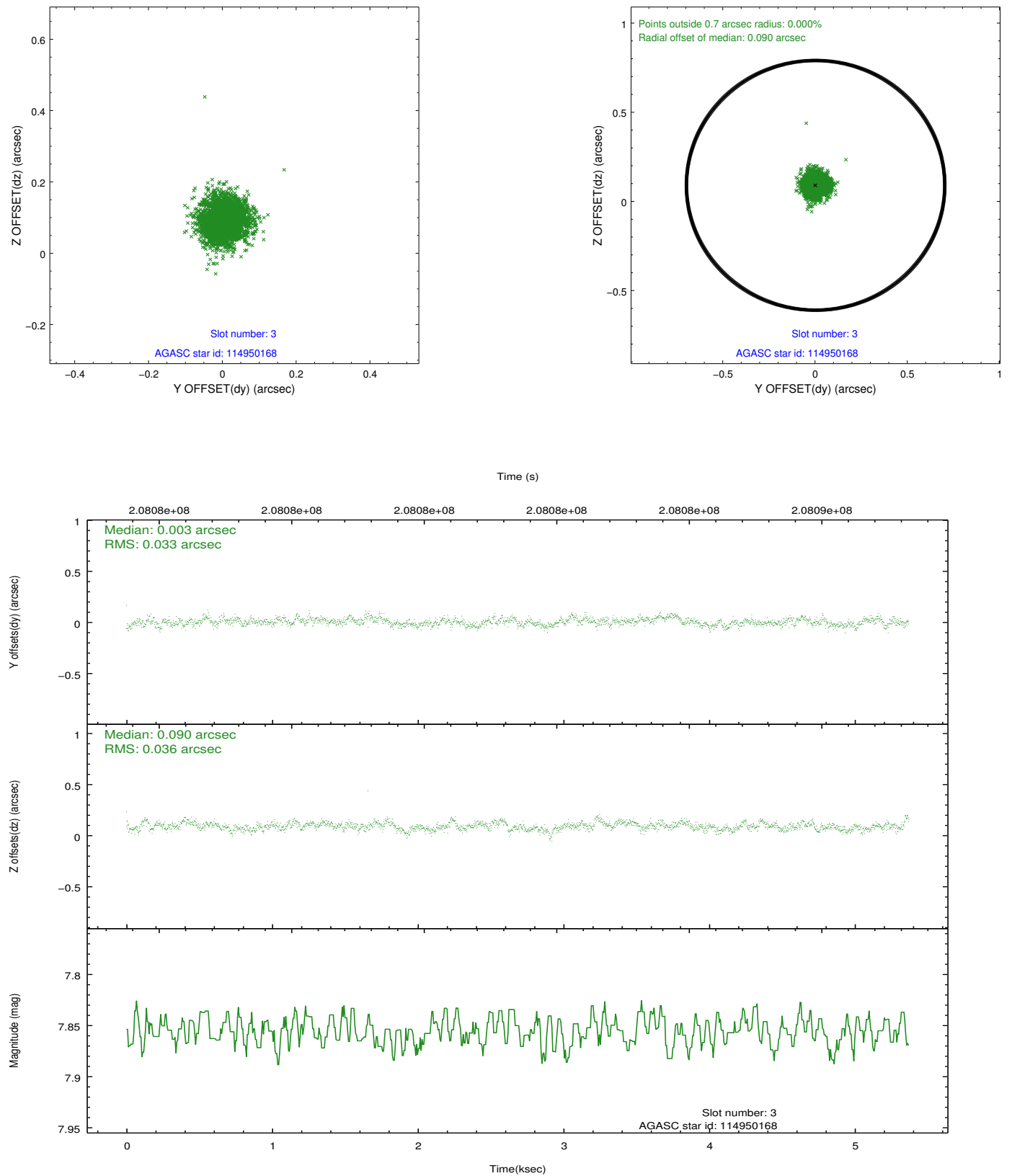


Slot Statistics

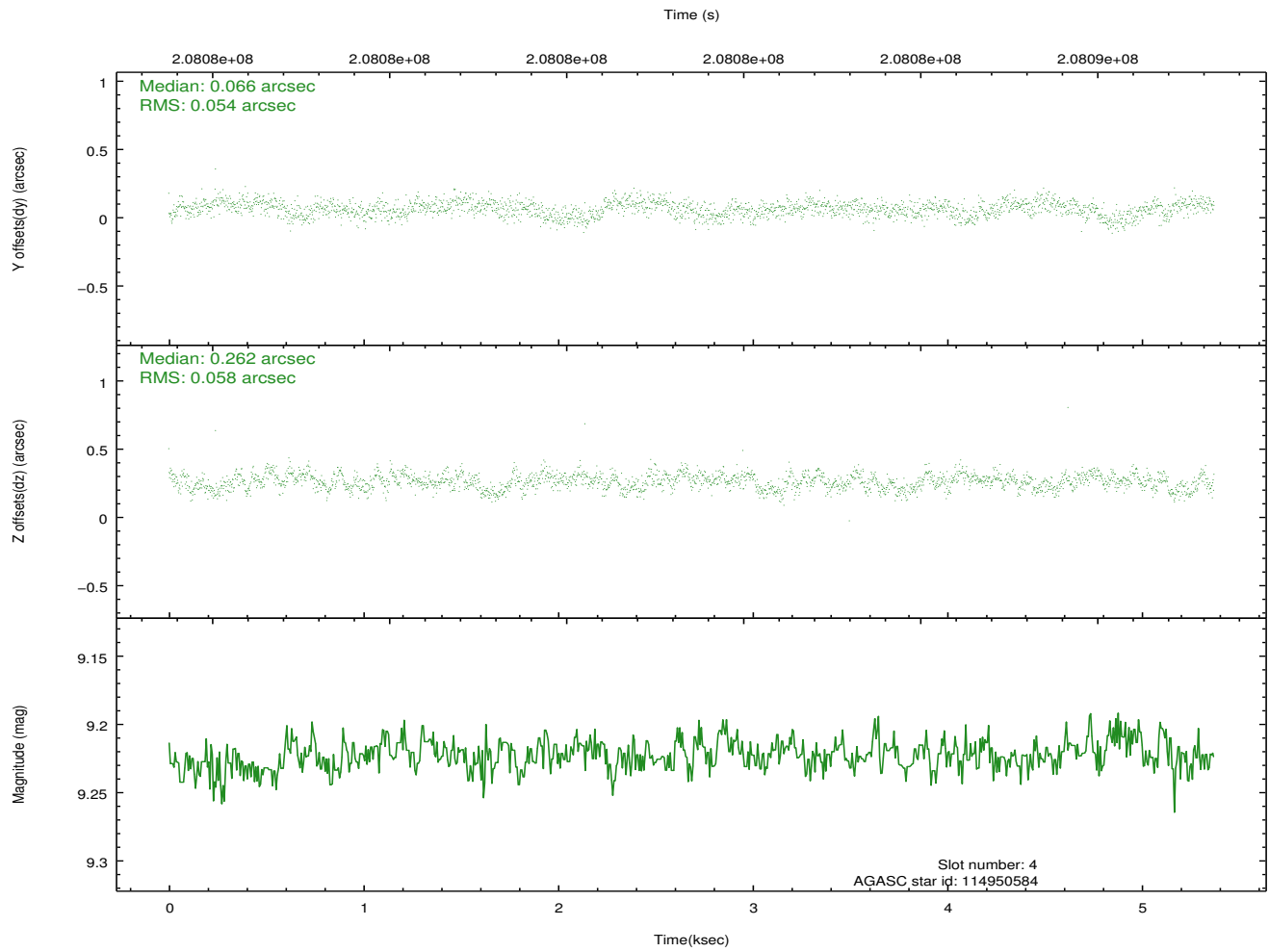
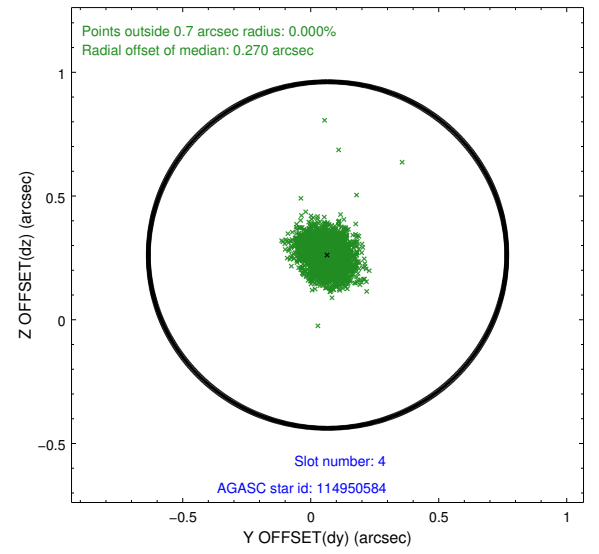
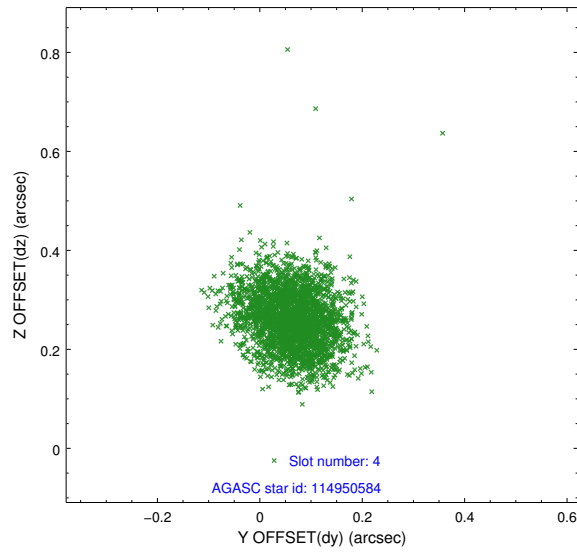
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1311	-0.027	-0.010	0.007	0.011	0.000000	0.000000	-760.26	-1732.79
1	FID	ACIS-S-4	7.20	1311	0.066	0.016	0.007	0.012	0.000000	0.000000	2152.59	174.58
2	FID	ACIS-S-5	7.23	1311	-0.070	0.003	0.006	0.011	0.000000	0.000000	-1811.71	169.48
3	GUIDE	114950168	7.86	2619	0.003	0.090	0.052	0.082	187.143398	12.117441	1290.42	-1761.14
4	GUIDE	114950584	9.22	2615	0.066	0.262	0.084	0.132	187.487323	11.827248	2158.77	-418.18
5	GUIDE	114955056	8.32	2621	0.041	-0.095	0.064	0.105	187.914001	12.127854	878.22	919.42
6	GUIDE	114955568	7.55	2621	0.159	-0.200	0.055	0.091	187.061916	11.826551	2367.52	-1901.98
7	GUIDE	115348424	9.51	2618	-0.272	-0.054	0.104	0.169	187.199498	13.087929	-2196.82	-2046.28

2.4 Star Slots

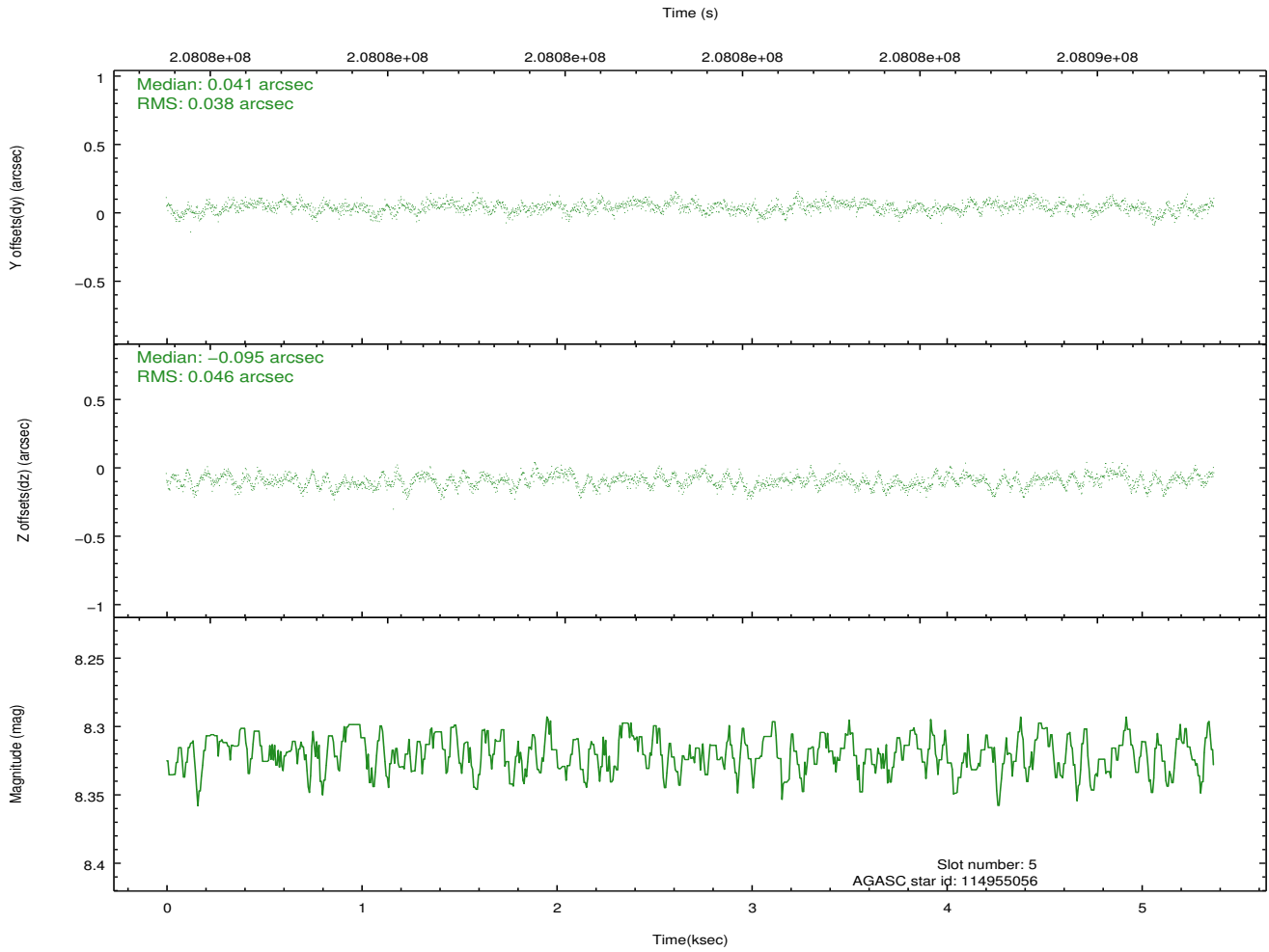
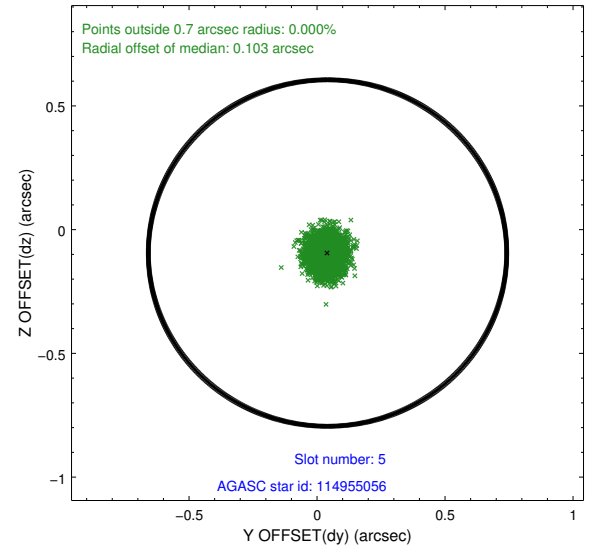
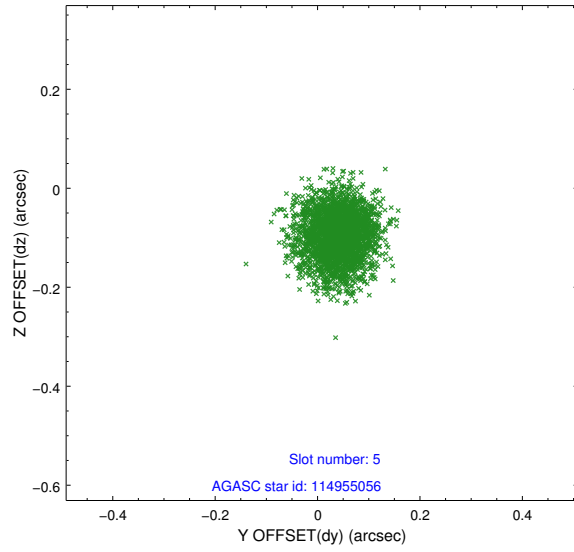
2.4.1 Slot 3



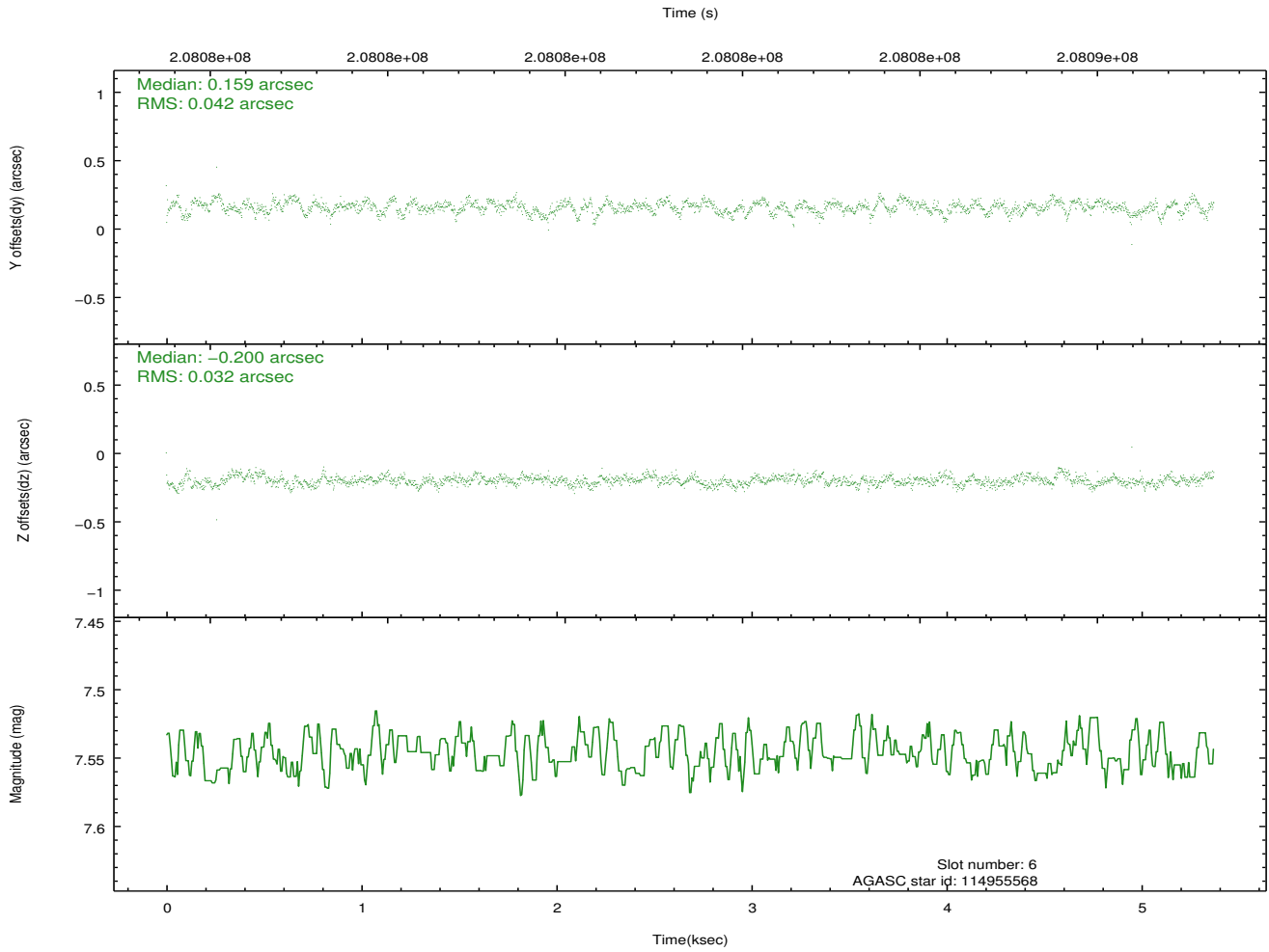
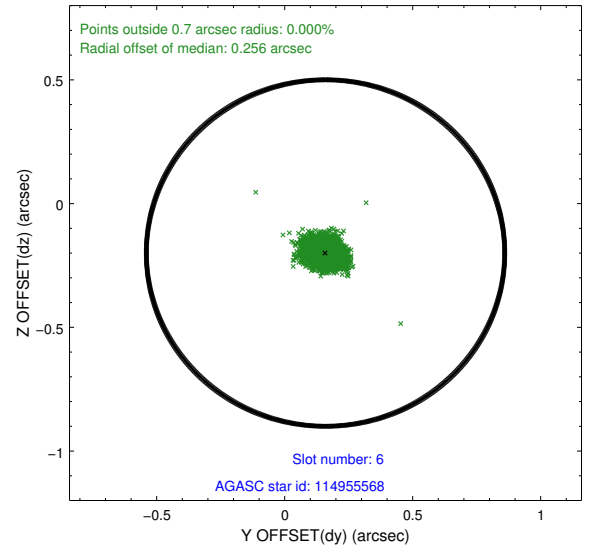
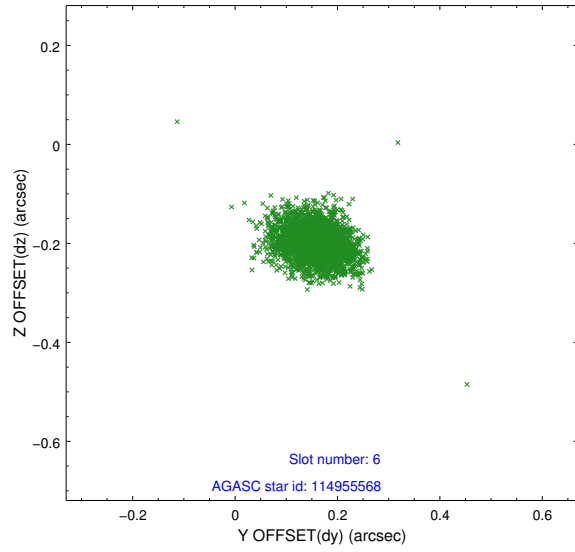
2.4.2 Slot 4



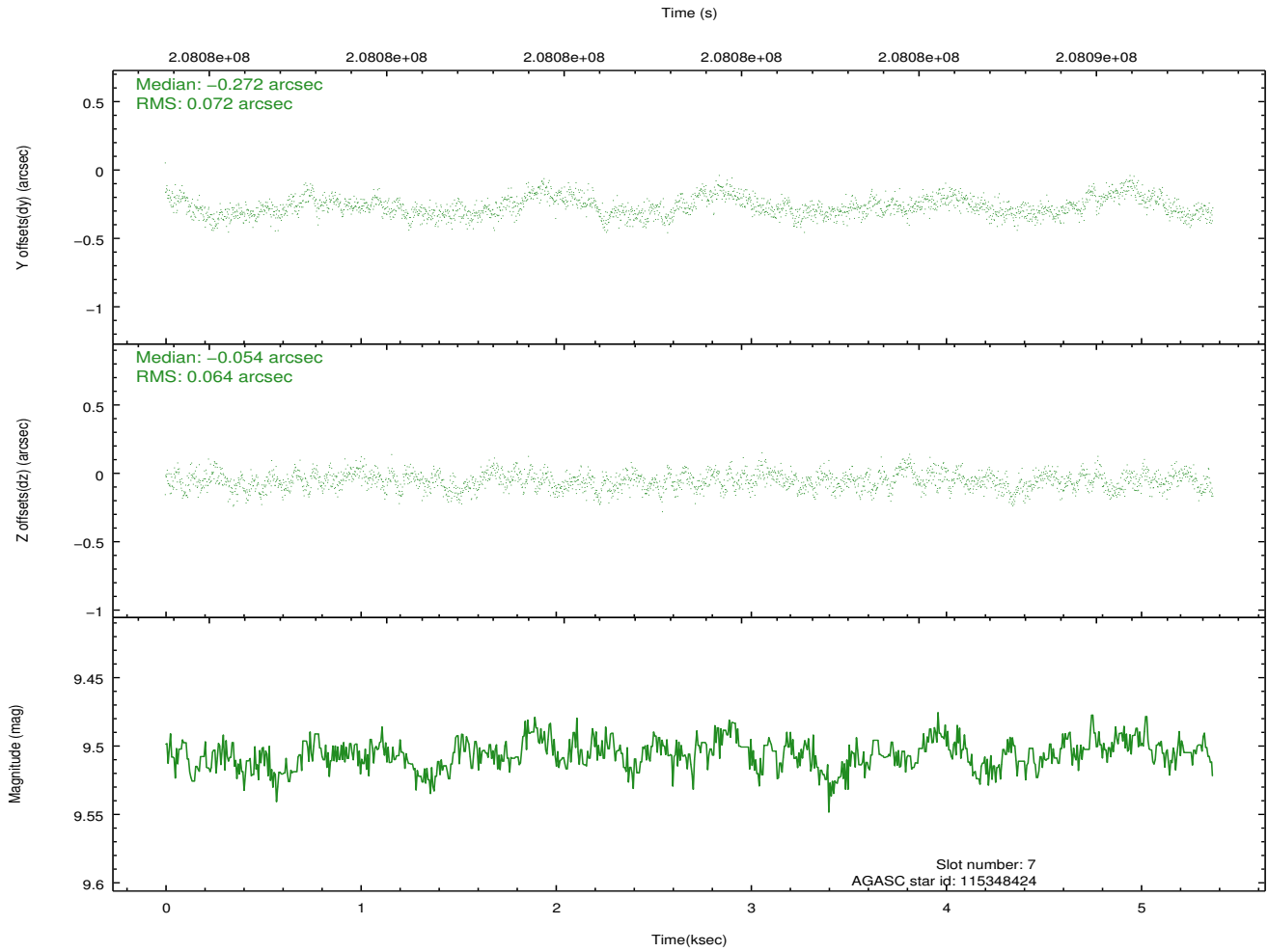
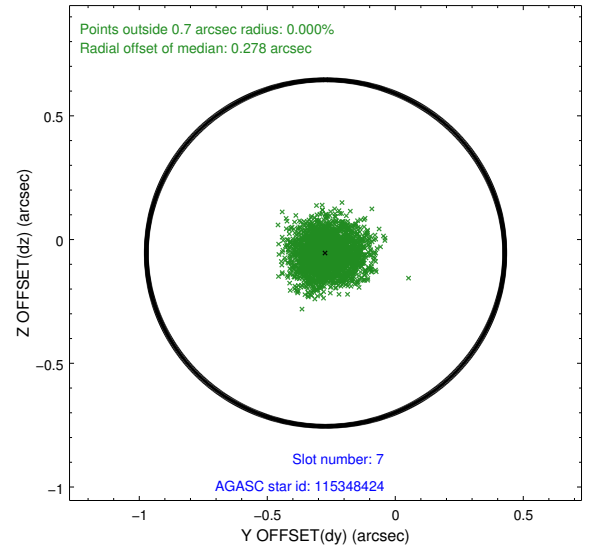
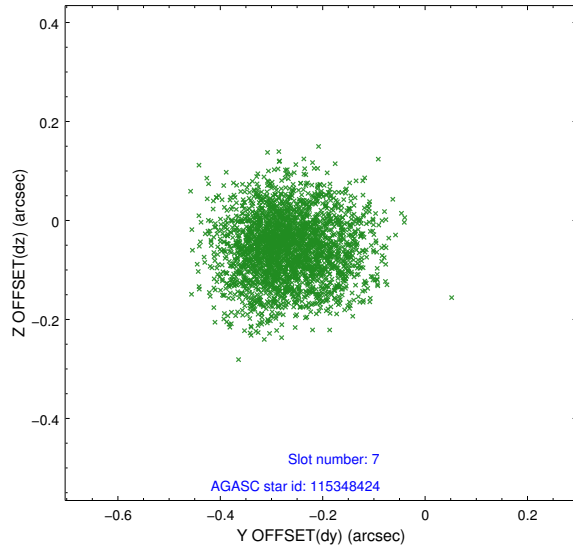
2.4.3 Slot 5



2.4.4 Slot 6

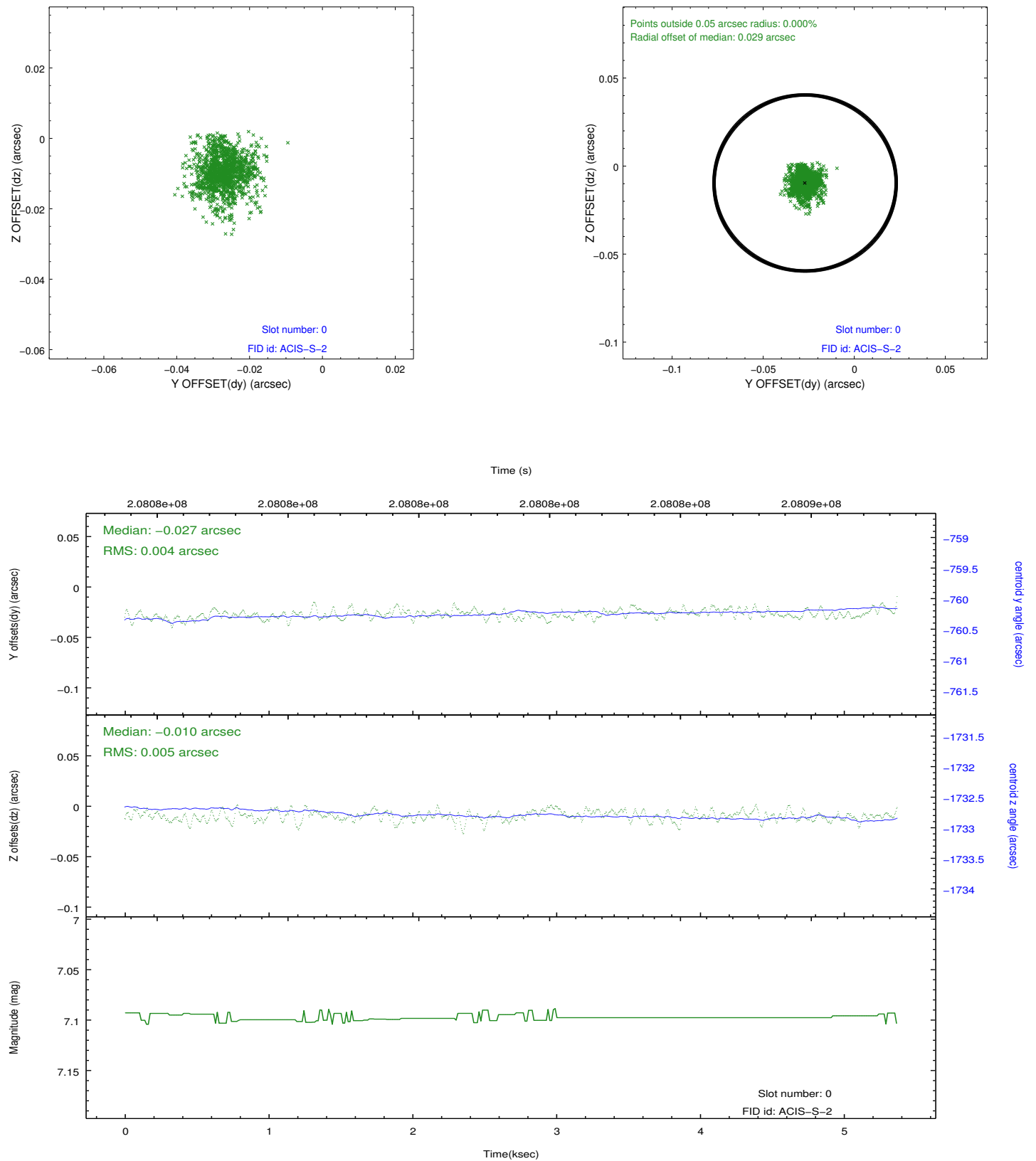


2.4.5 Slot 7

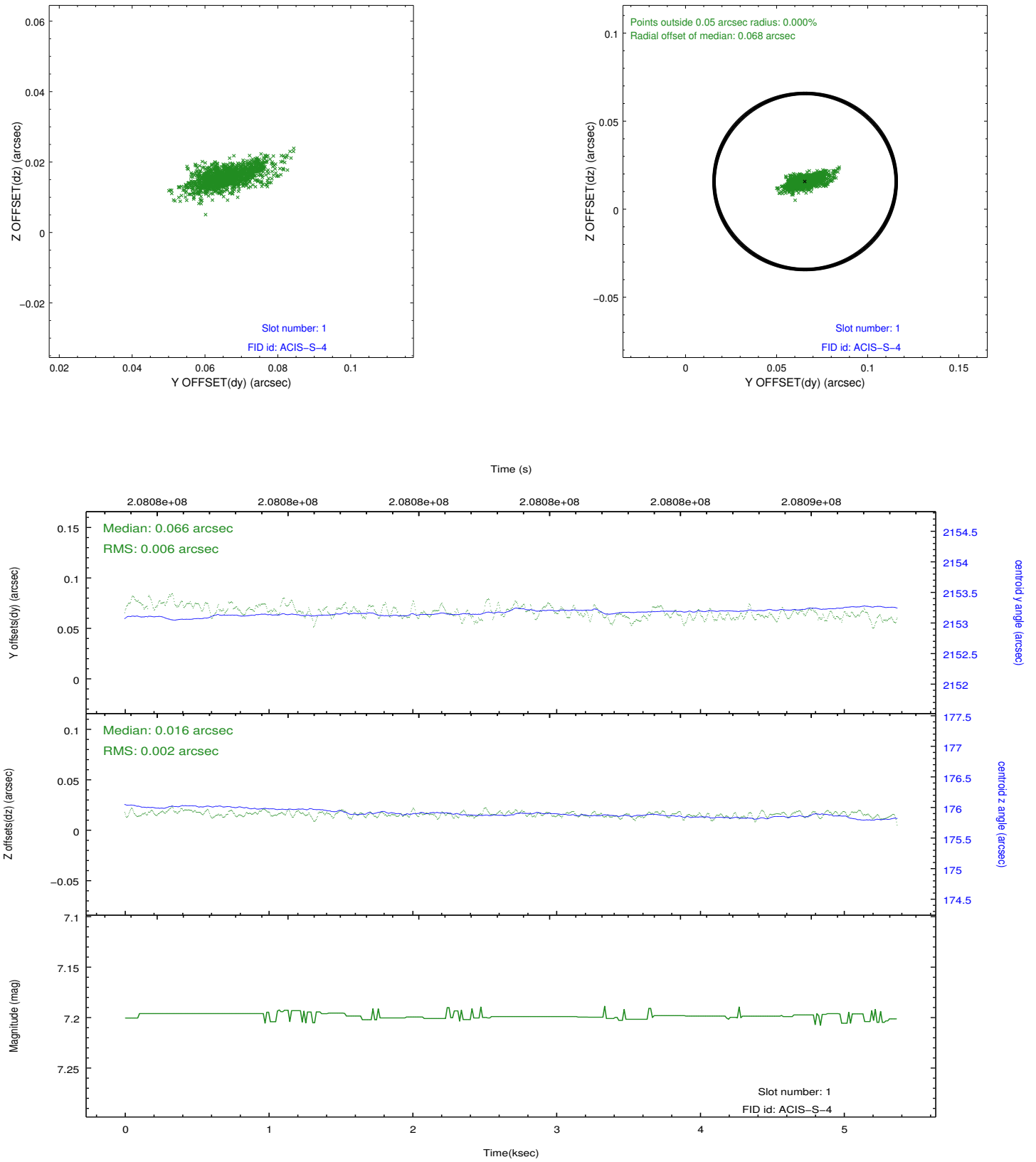


2.5 FID Slots

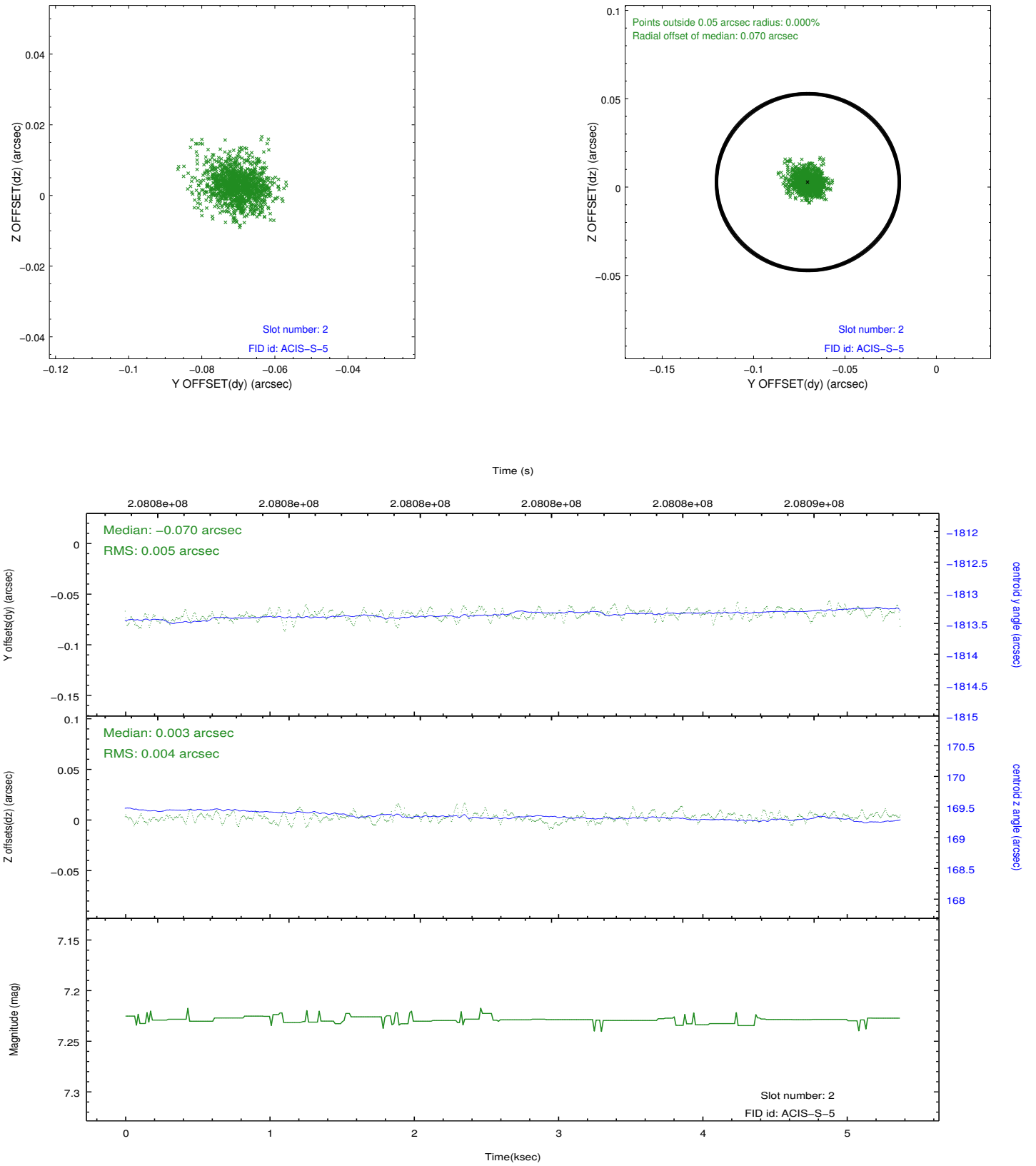
2.5.1 Slot 0



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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.108

A.2 Comments

Joint Proposal: CX0-HST