

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4921 - L2 Version 3
Chandra X-Ray Center

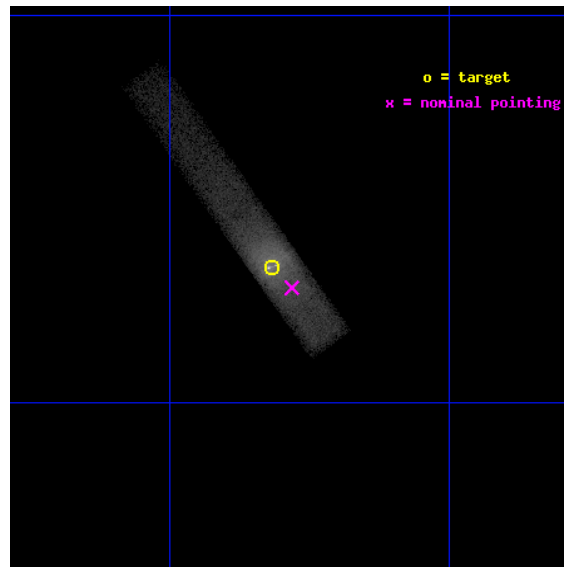
L2 Processing Date : Dec 1 2012

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1 Front

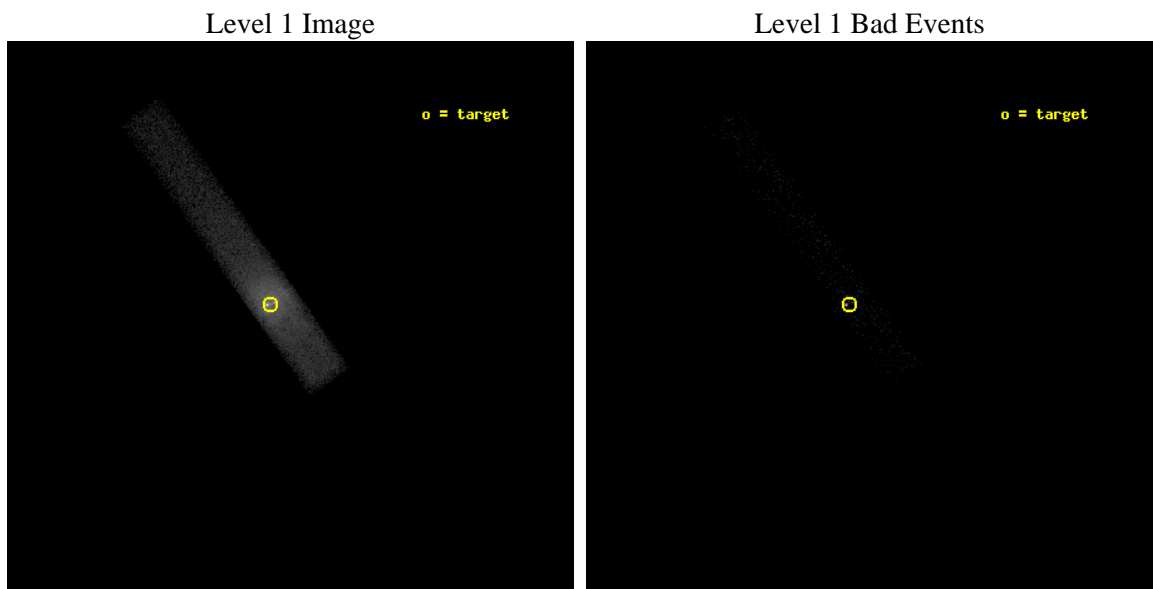
seq_num	701002	Sequence number
obs_id	4921	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69545091765	Nominal RA [deg]
dec_nom	12.382642374682	Nominal Dec [deg]
roll_nom	234.60170833805	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5789.600086242	Sum of GTIs [s]
livetime	5250.8616780718	Livetime [s]
ontime7	5789.600086242	Sum of GTIs [s]
l2events	69760	Number of level 2 events



2 OBI

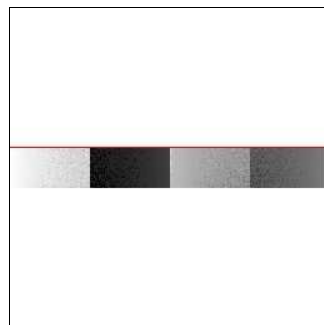
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4968.251000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5789.600086242	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5789.600086242	Sum of GTIs [s]
date	2012-12-01T07:16:07	Date and time of file creation	l1events	81287	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

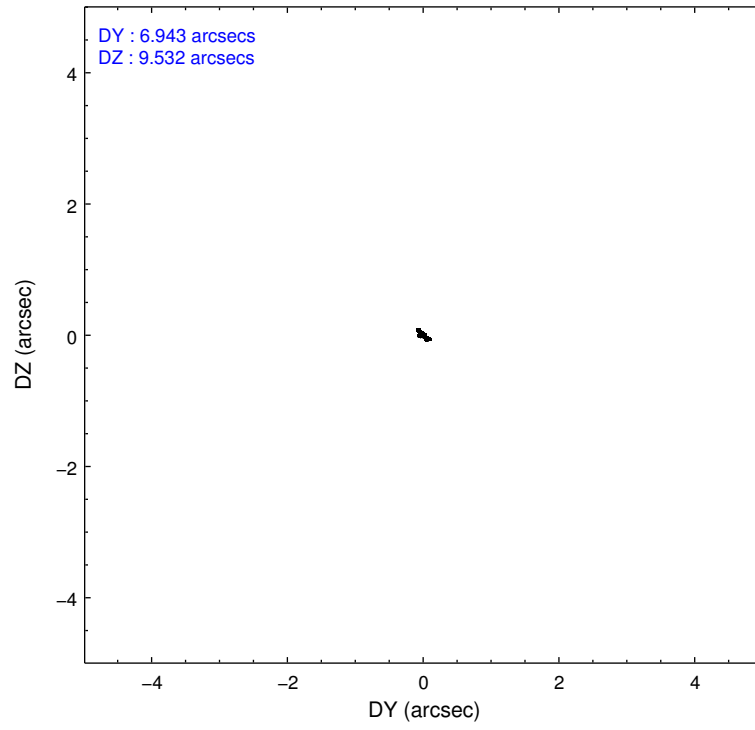
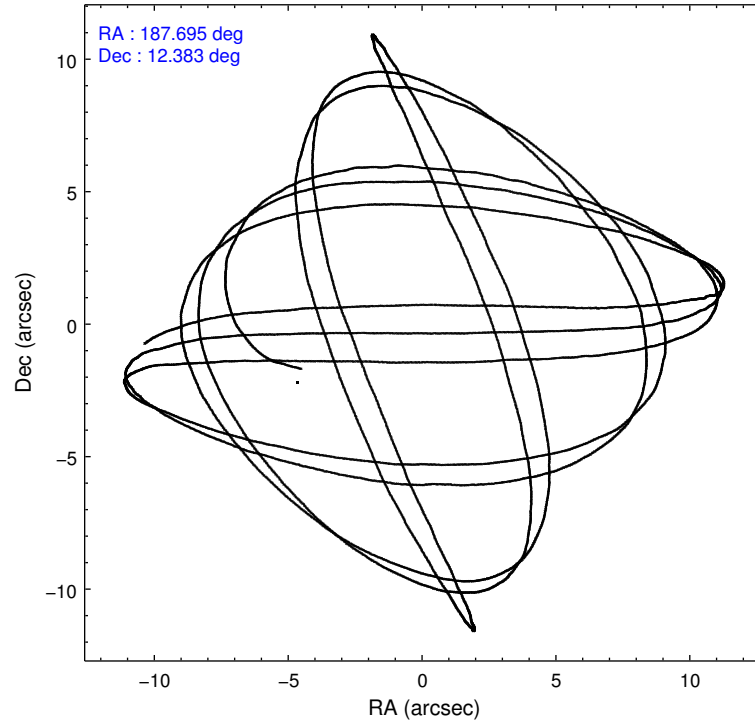
	ccd 7
level 1 events	81287
rejected events	10843
rejected %	13%

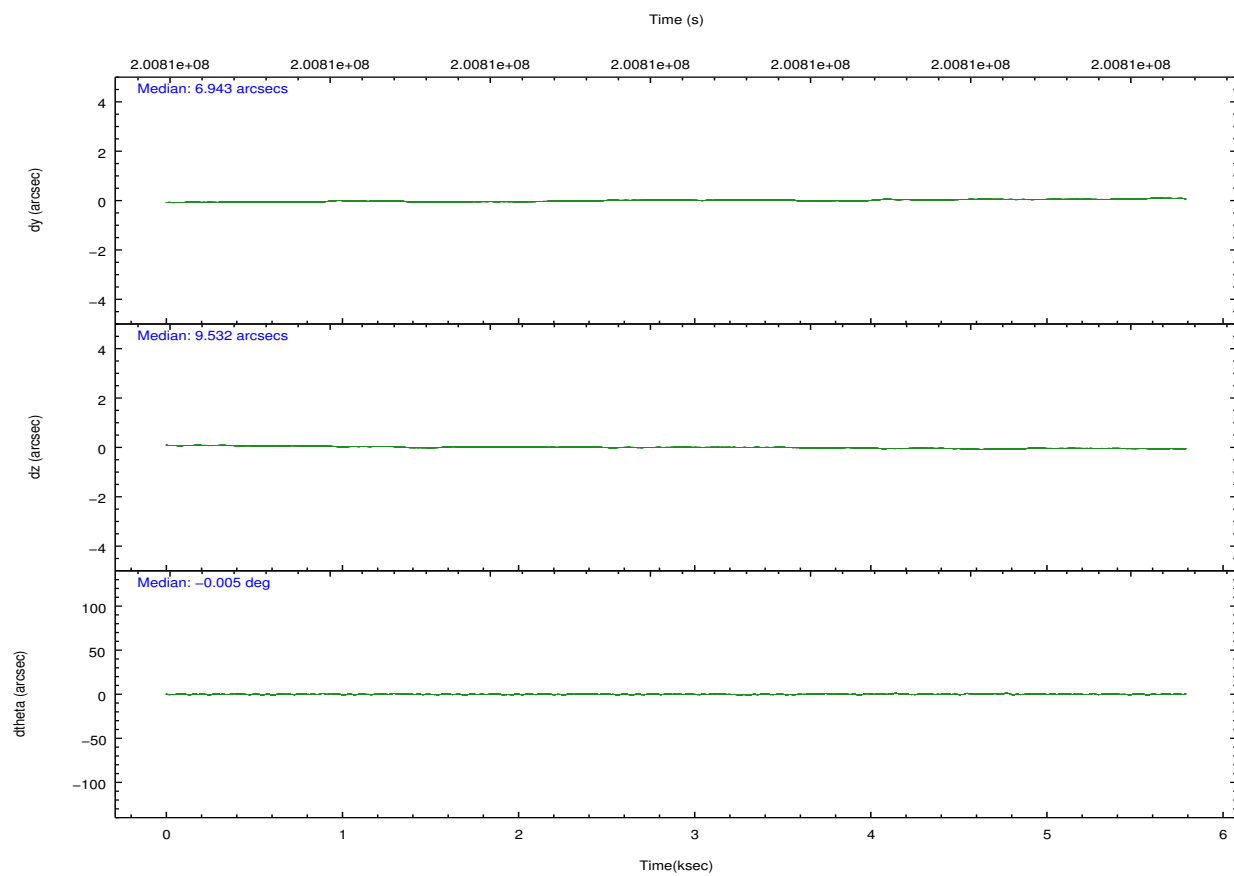
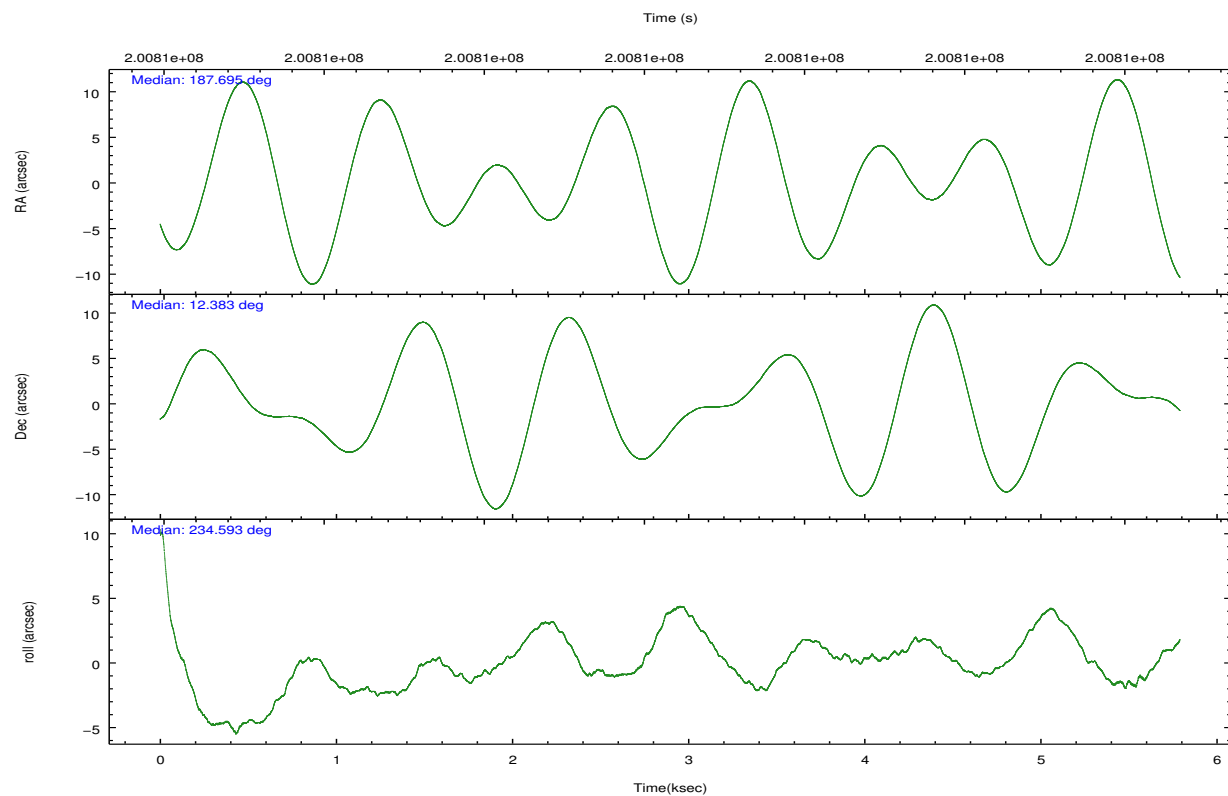
	ccd 7
grade 0 events	21143
	26%
grade 1 events	537
	0%
grade 2 events	17577
	21%
grade 3 events	8001
	9%
grade 4 events	7858
	9%
grade 5 events	2889
	3%
grade 6 events	16376
	20%
grade 7 events	6906
	8%

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	187.697670	187.6954509176548	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.409725	12.38264237468222	Subarray start row	449	449
[deg] Pointing Roll	234.444581	234.6017083380495	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	200808084.184000	200806804.40231			
Observation start date	2004-05-13T04:00:20	2004-05-13T03:40:04			
[s] Observation end time (MET)	200813053.184000	200813367.4776			
Observation end date	2004-05-13T05:23:09	2004-05-13T05:29:27			
Read mode	TIMED	TIMED			

2.3 Aspect



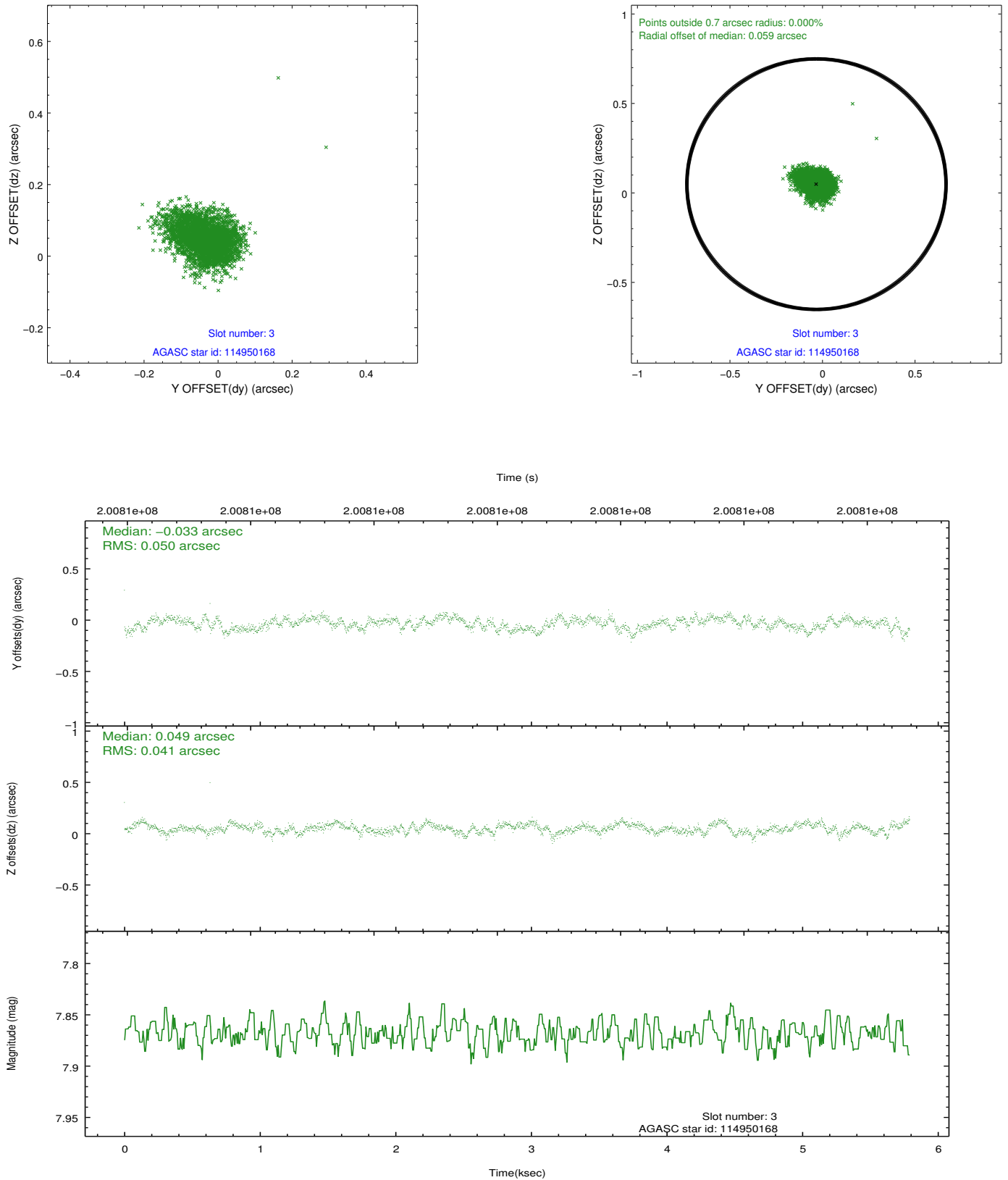


Slot Statistics

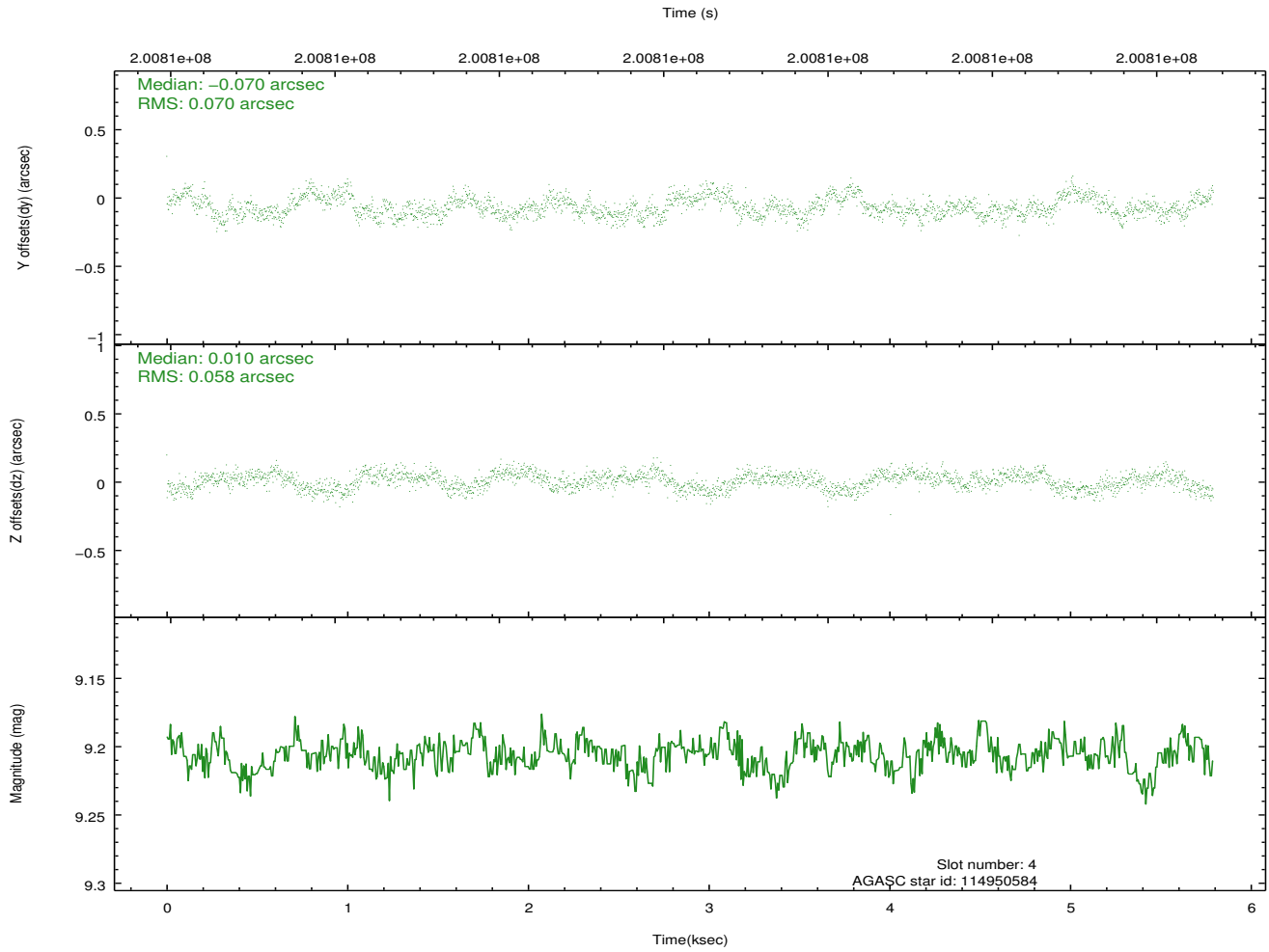
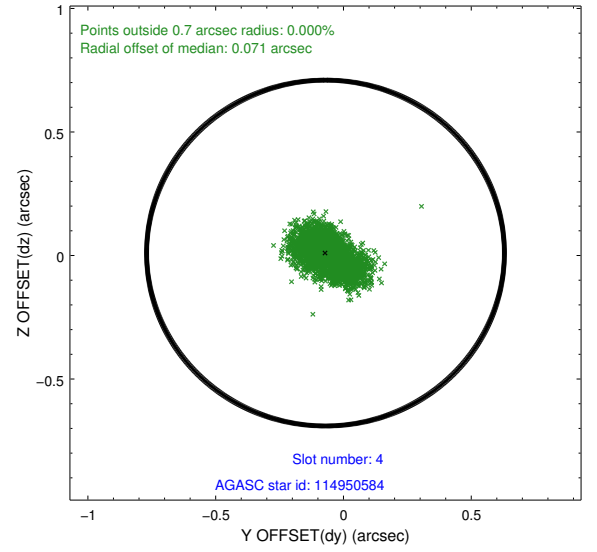
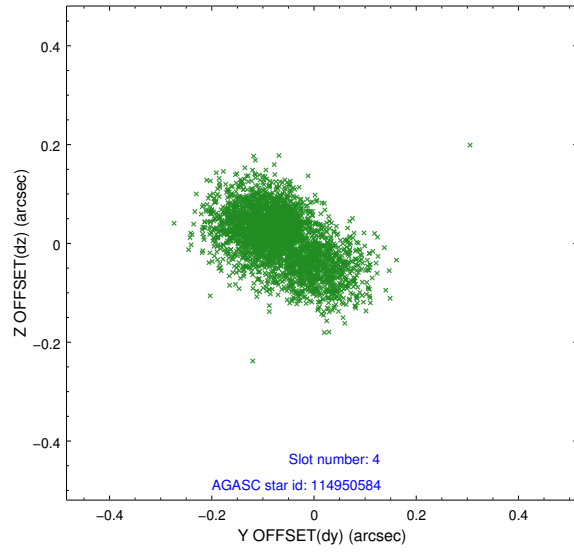
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1413	-0.041	-0.025	0.006	0.010	0.000000	0.000000	-759.71	-1730.69
1	FID	ACIS-S-4	7.20	1413	0.069	0.026	0.006	0.011	0.000000	0.000000	2153.19	176.81
2	FID	ACIS-S-5	7.23	1413	-0.060	0.008	0.006	0.012	0.000000	0.000000	-1811.27	171.59
3	GUIDE	114950168	7.87	2824	-0.033	0.049	0.069	0.108	187.143398	12.117441	1989.65	-976.07
4	GUIDE	114950584	9.21	2824	-0.070	0.010	0.096	0.159	187.487323	11.827248	2138.00	616.13
5	GUIDE	114952824	8.58	2825	0.005	0.086	0.071	0.118	187.703904	12.486727	-236.75	-143.16
6	GUIDE	114954440	9.19	2825	0.058	-0.058	0.113	0.175	186.915066	12.219118	2156.91	-1842.89
7	GUIDE	114955056	8.31	2824	0.040	-0.083	0.064	0.103	187.914001	12.127854	383.82	1208.65

2.4 Star Slots

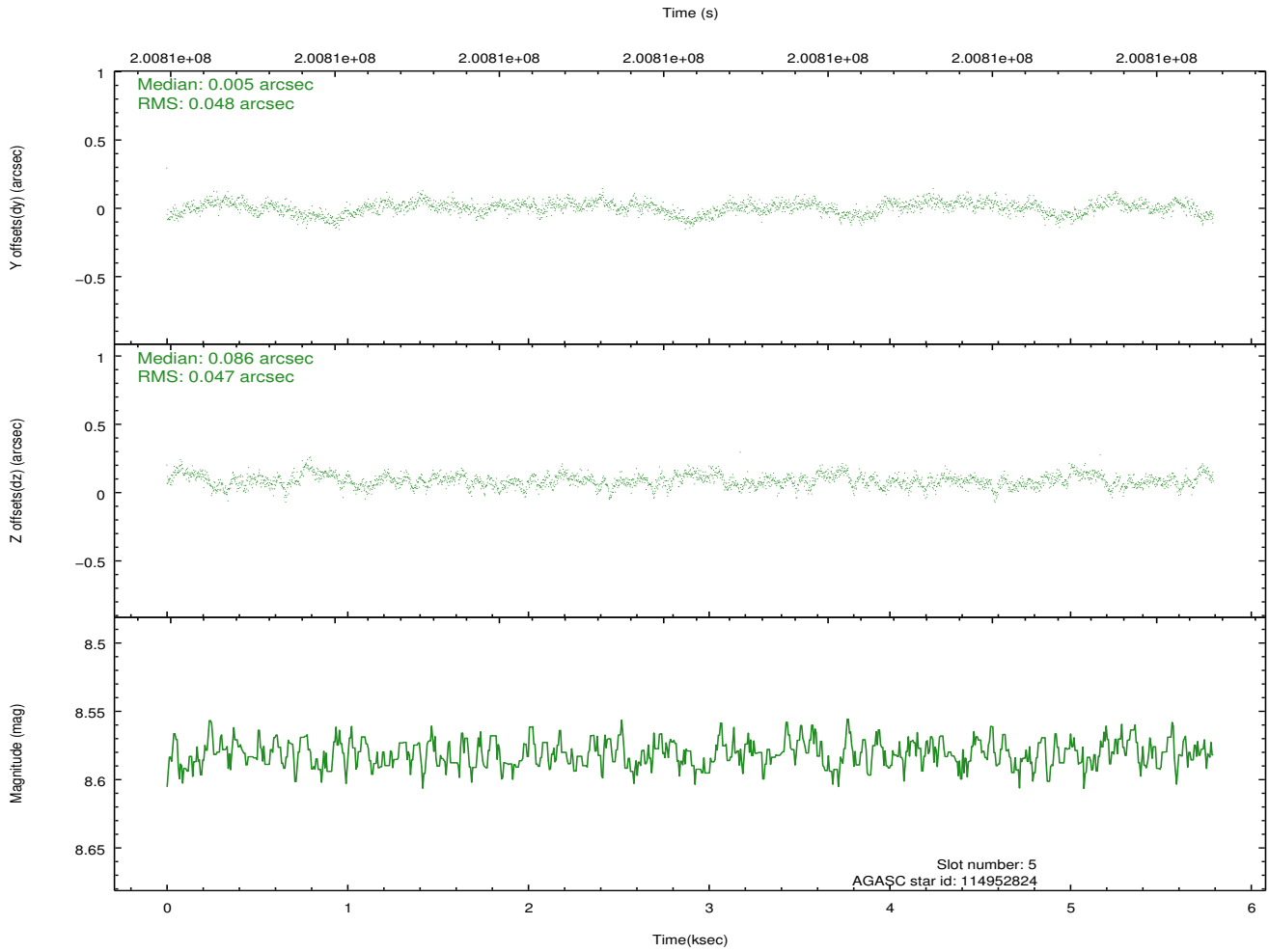
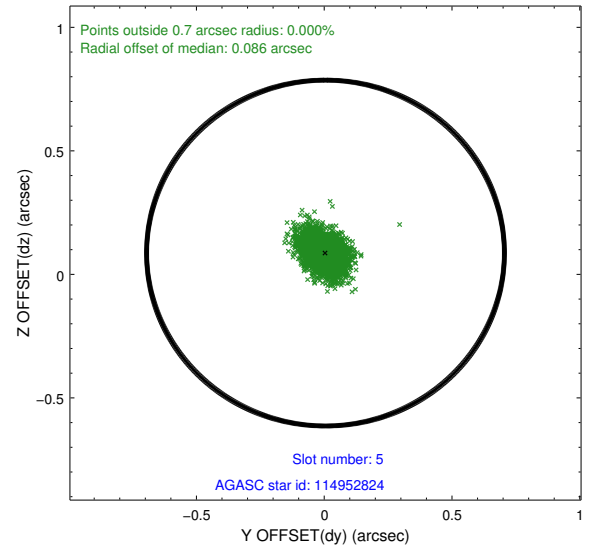
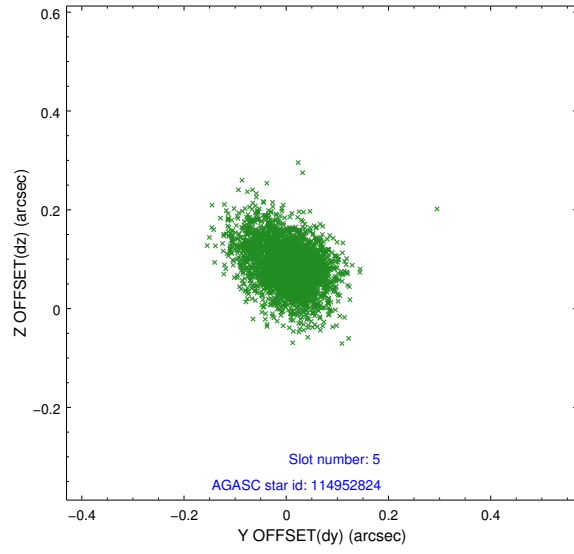
2.4.1 Slot 3



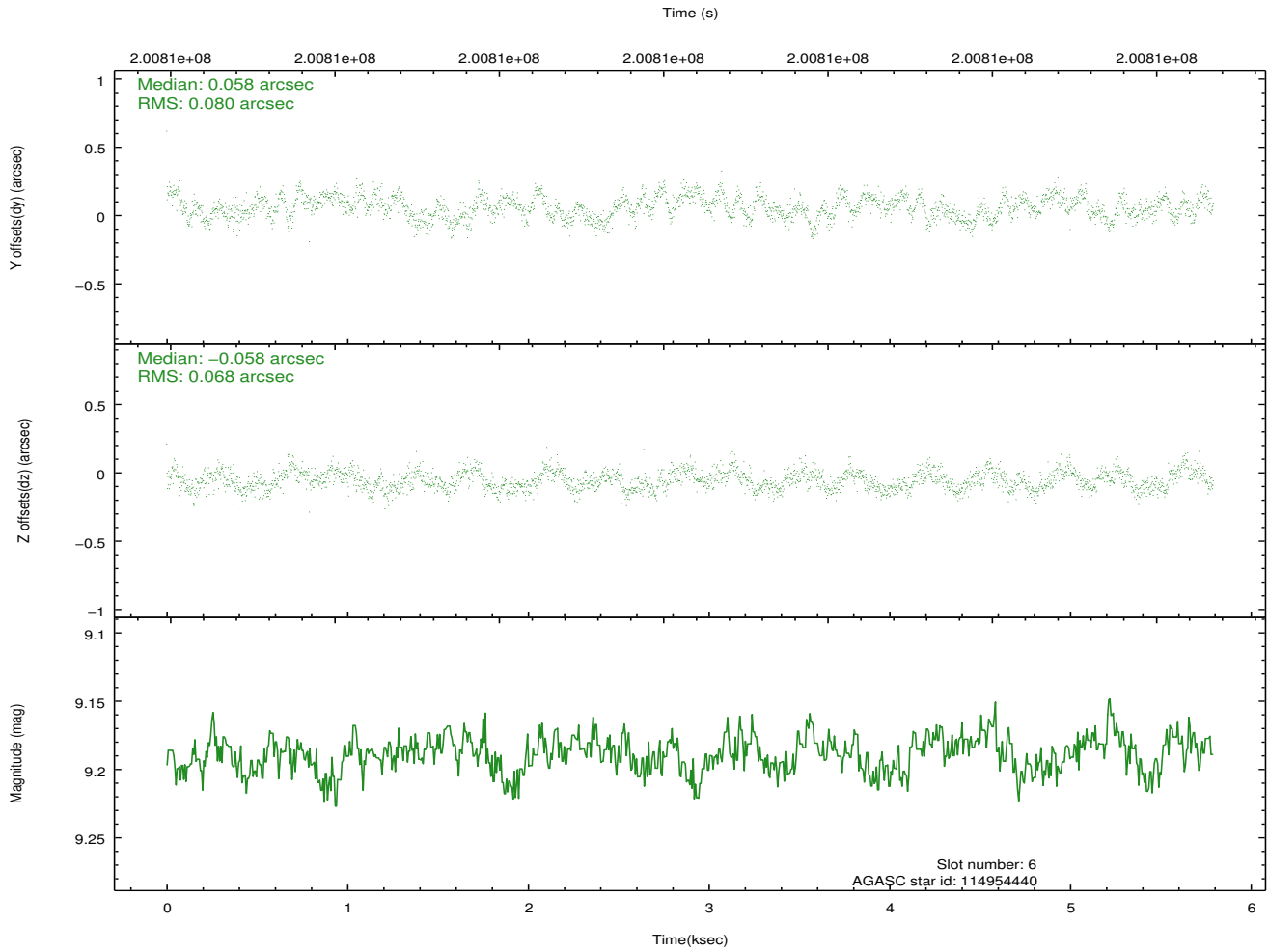
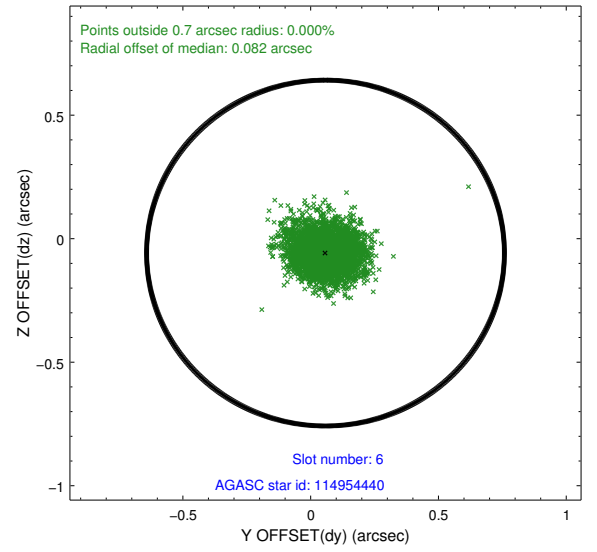
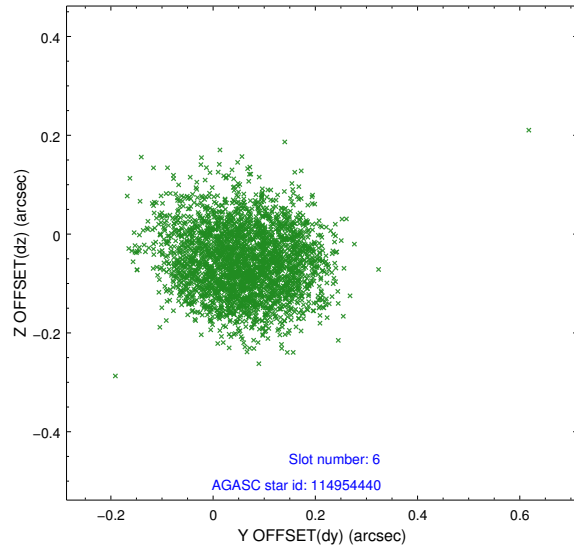
2.4.2 Slot 4



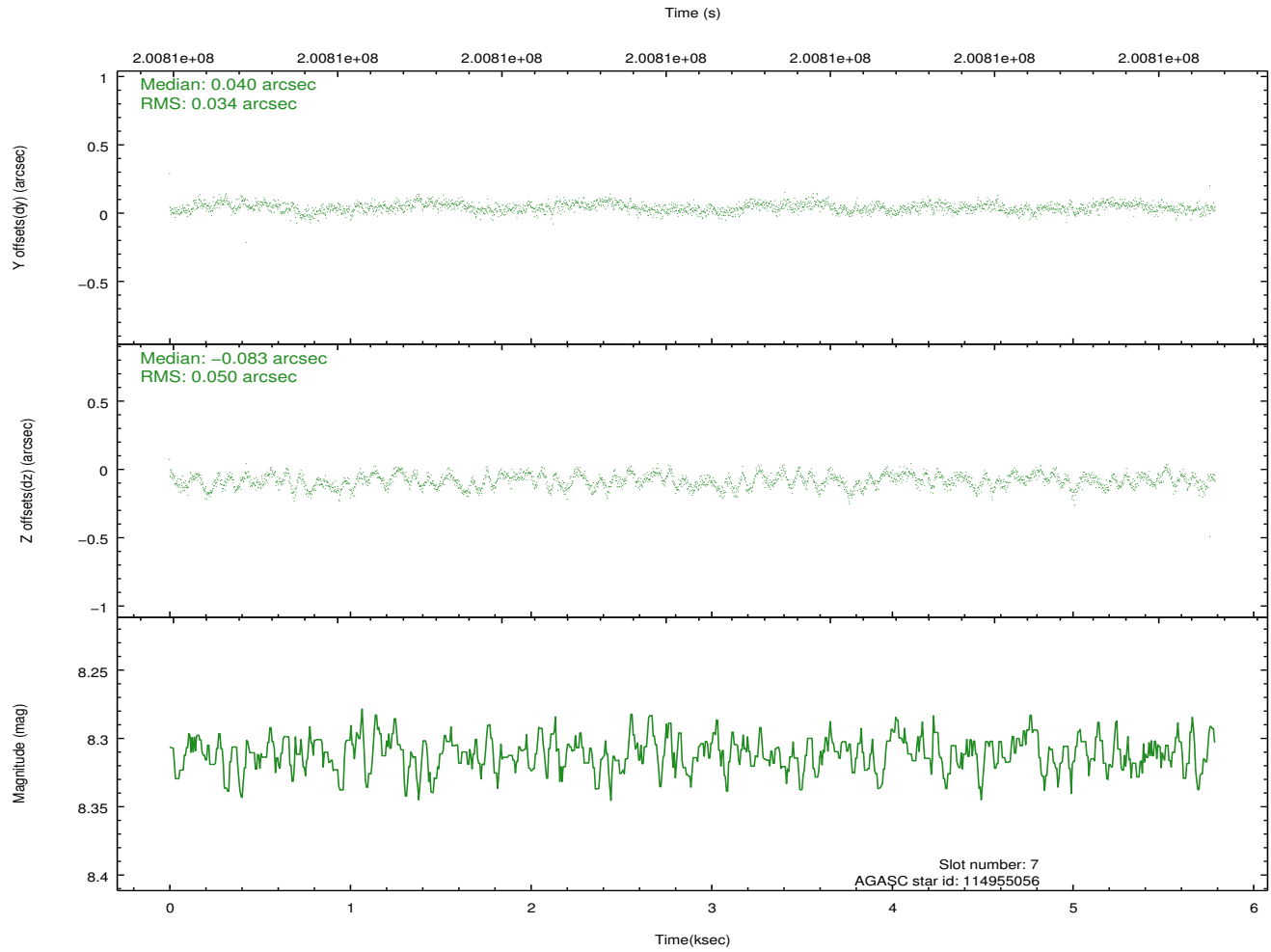
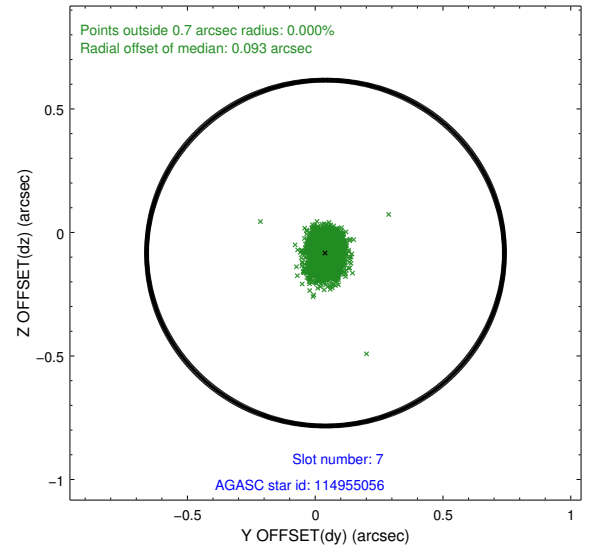
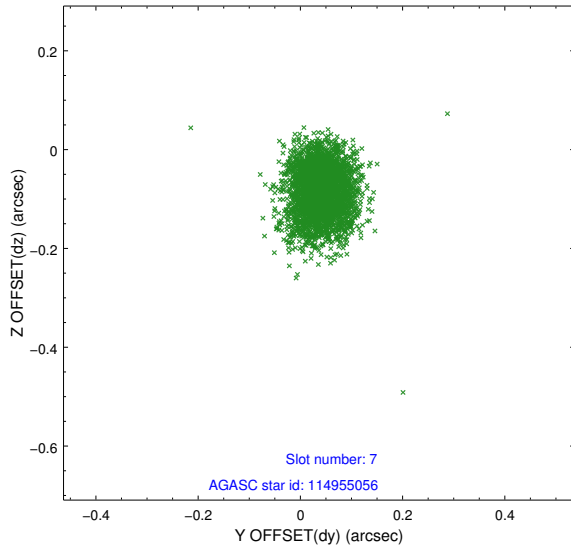
2.4.3 Slot 5



2.4.4 Slot 6

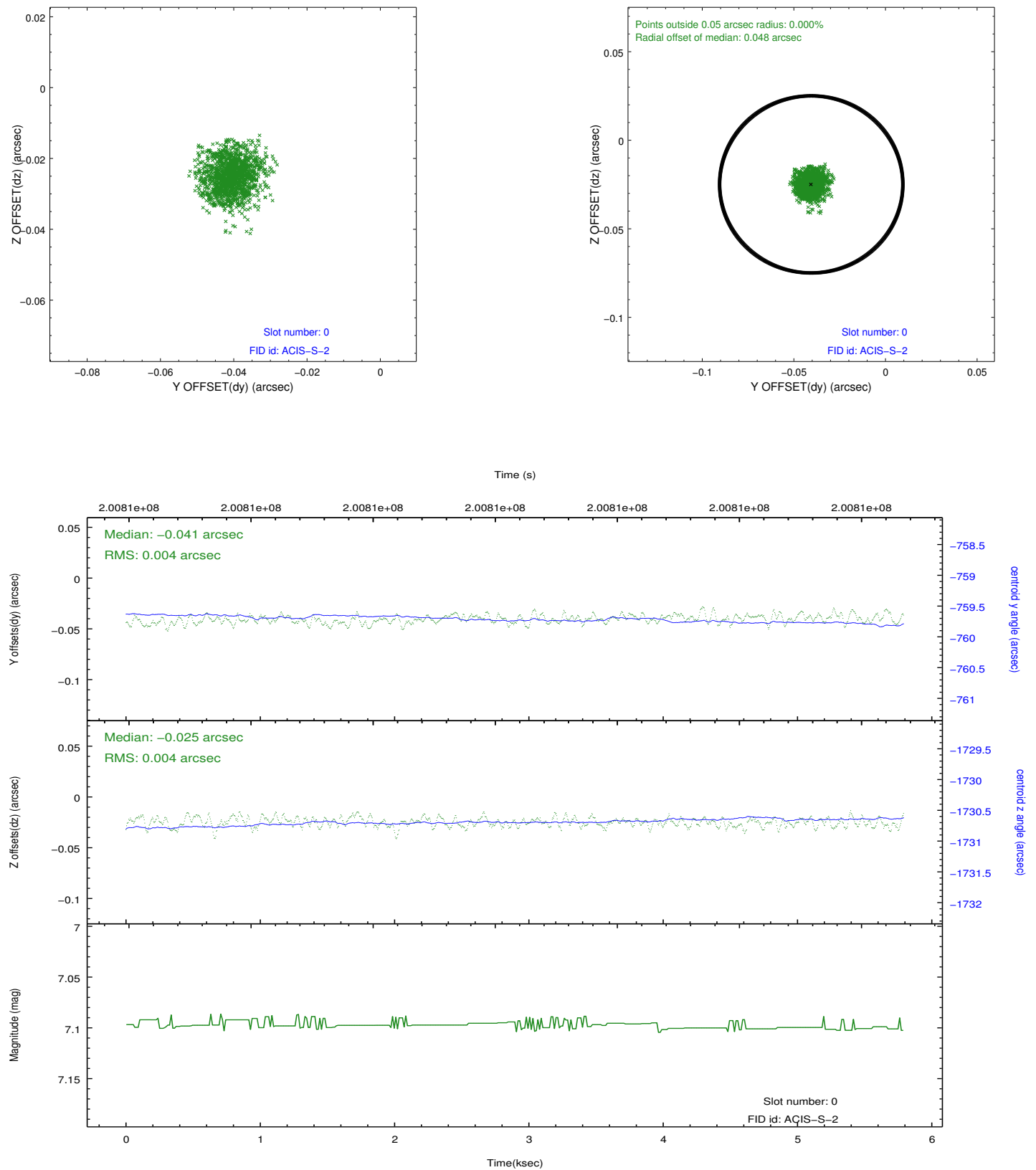


2.4.5 Slot 7

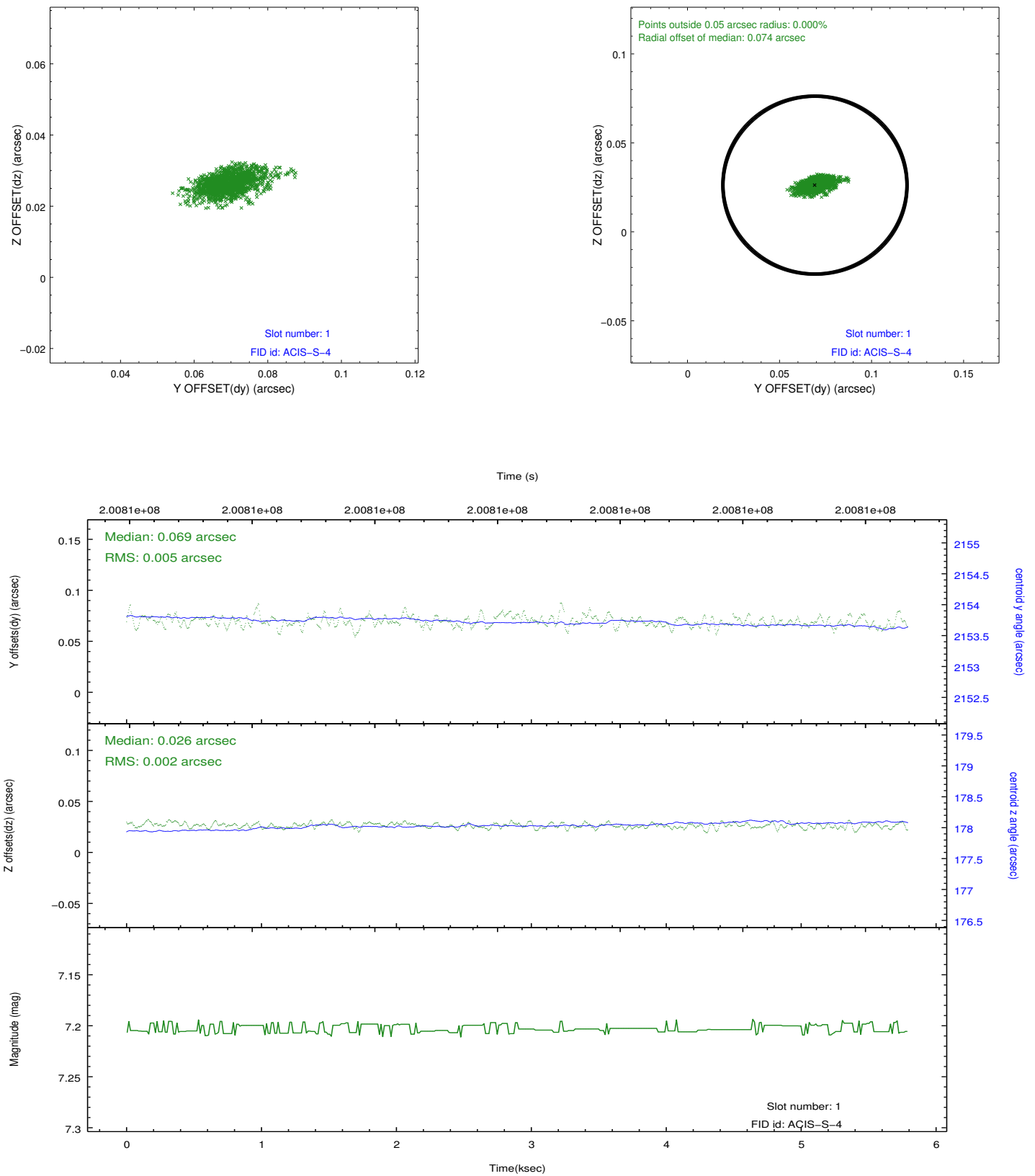


2.5 FID Slots

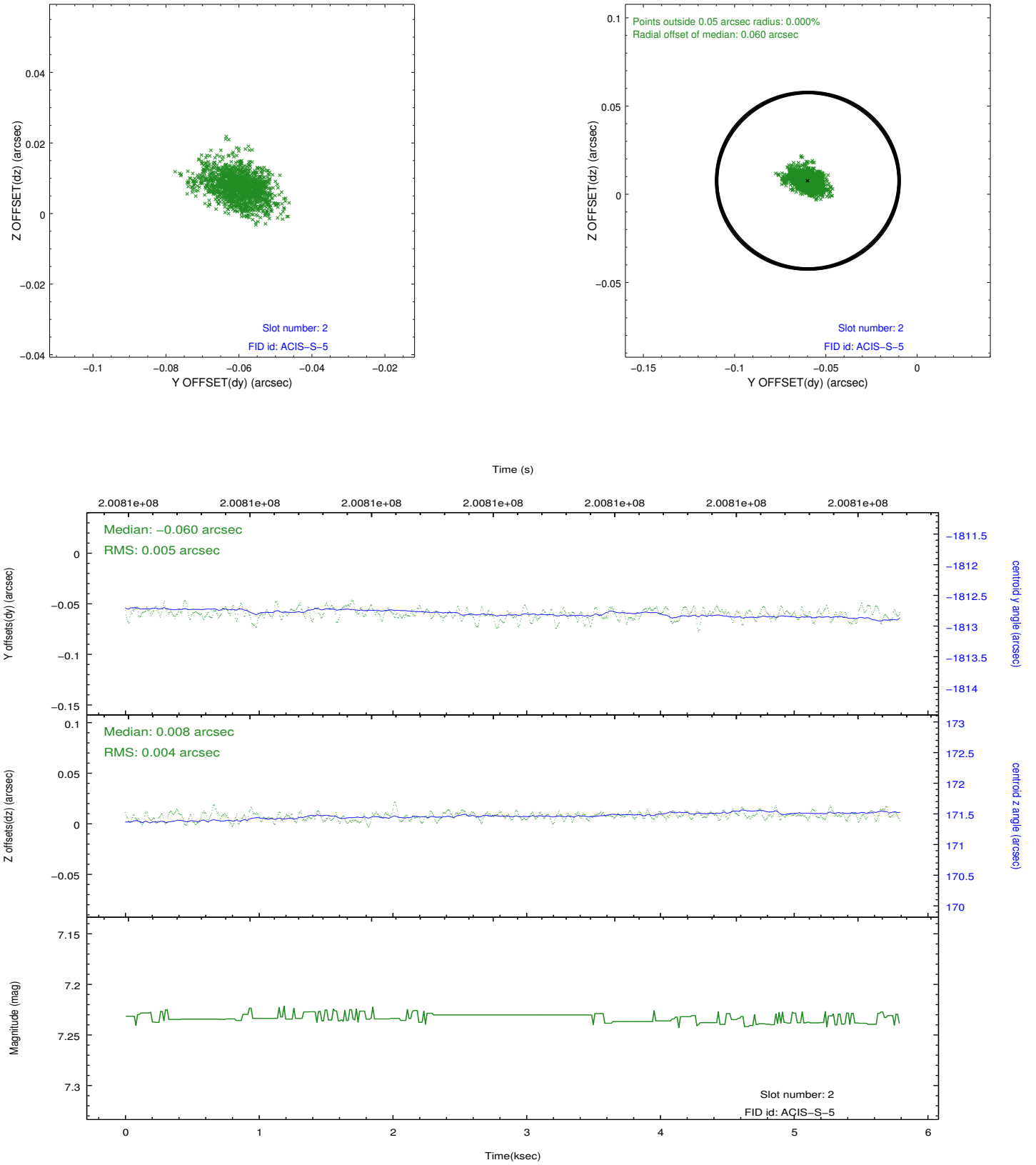
2.5.1 Slot 0



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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.789

A.2 Comments

Monitor constraint met. Joint Proposal: CX0-HST