

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4150 - L2 Version 3
Chandra X-Ray Center

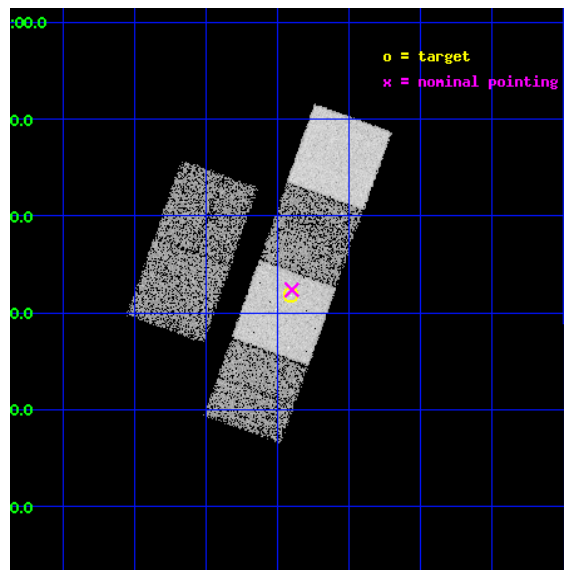
L2 Processing Date : Nov 2 2012

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1 Front

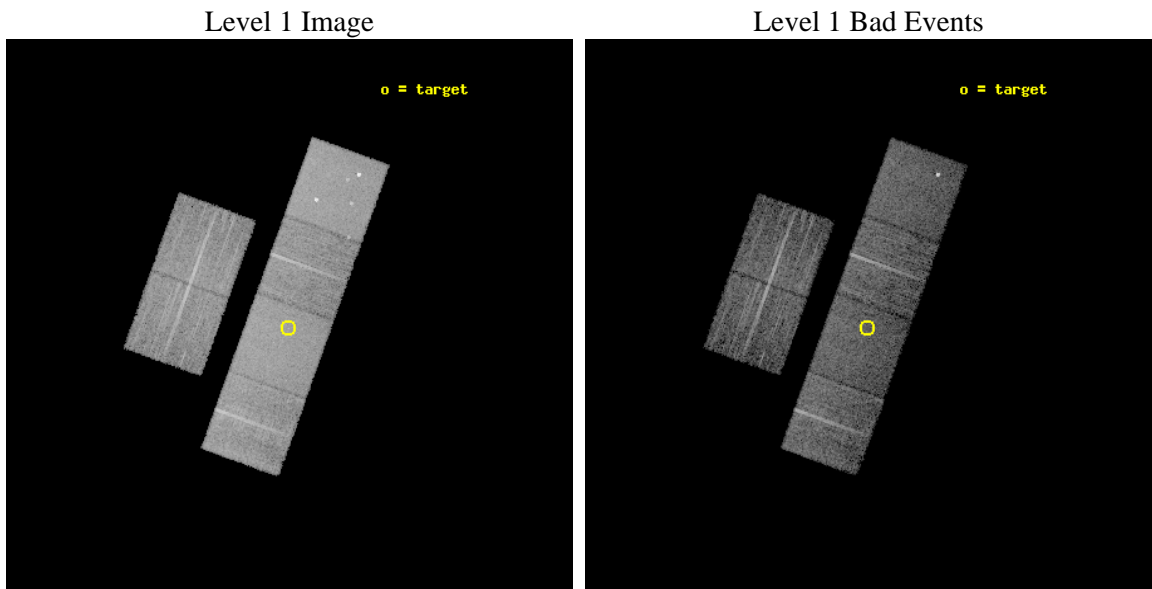
seq_num	700829	Sequence number
obs_id	4150	Observation id
title	X-RAY TRACE OF THE EARLY RISE OF THE QUASAR POPULATION	Proposal ti
observer	Dr. Takamitsu Miyaji	Principal investigator
object	PC 0041+0215	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.101667	Observer's specified target RA [deg]
dec_targ	2.530194	Observer's specified target Dec [deg]
ra_nom	11.100008326924	Nominal RA [deg]
dec_nom	2.5397369789934	Nominal Dec [deg]
roll_nom	109.80644243109	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9180.7999657989	Sum of GTIs [s]
livetime	9064.5471486179	Livetime [s]
ontime2	9180.7999657989	Sum of GTIs [s]
ontime3	9180.7999657989	Sum of GTIs [s]
ontime5	9180.7999657989	Sum of GTIs [s]
ontime6	9180.7999657989	Sum of GTIs [s]
ontime7	9180.7999657989	Sum of GTIs [s]
ontime8	9180.7999657989	Sum of GTIs [s]
l2events	89390	Number of level 2 events



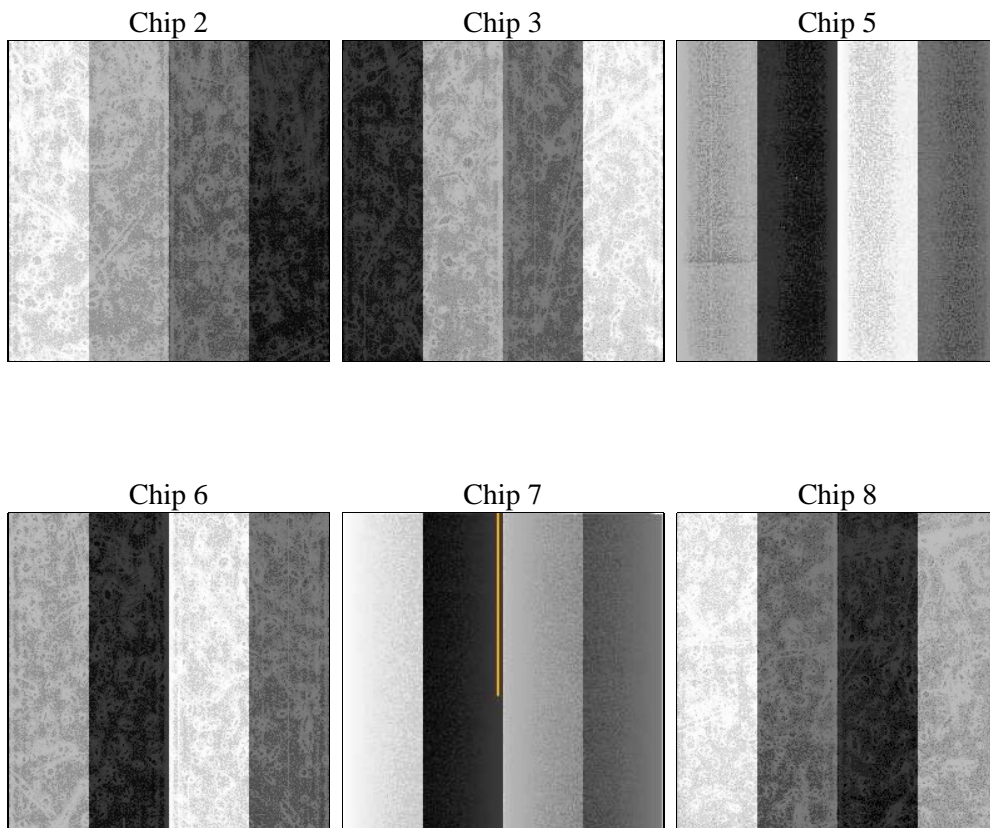
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9180.7999657989	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	9180.7999657989	Sum of GTIs [s]
date	2012-11-02T16:54:29	Date and time of file creation	ontime3	9180.7999657989	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9180.7999657989	Sum of GTIs [s]
			ontime6	9180.7999657989	Sum of GTIs [s]
			ontime7	9180.7999657989	Sum of GTIs [s]
			ontime8	9180.7999657989	Sum of GTIs [s]
			l1events	411703	Number of level 1 events

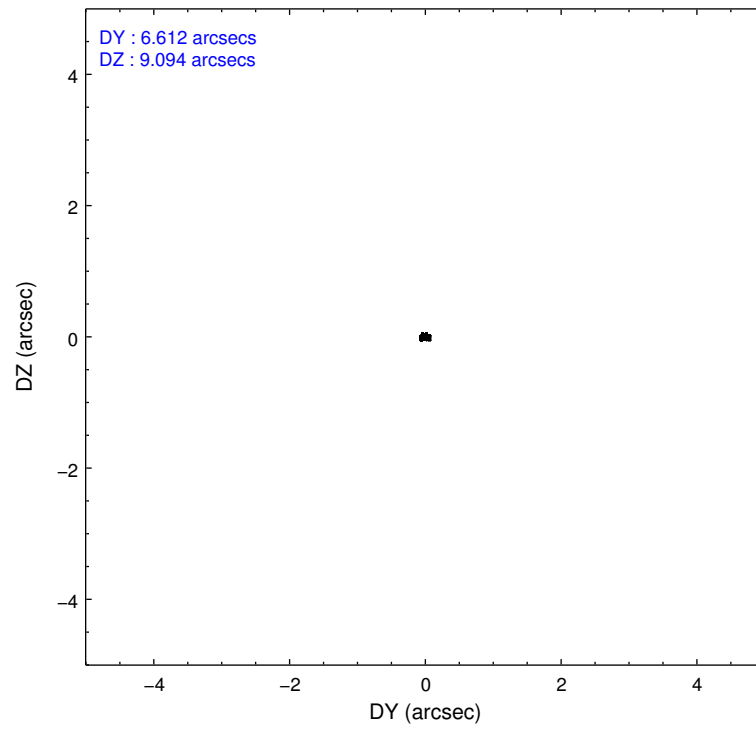
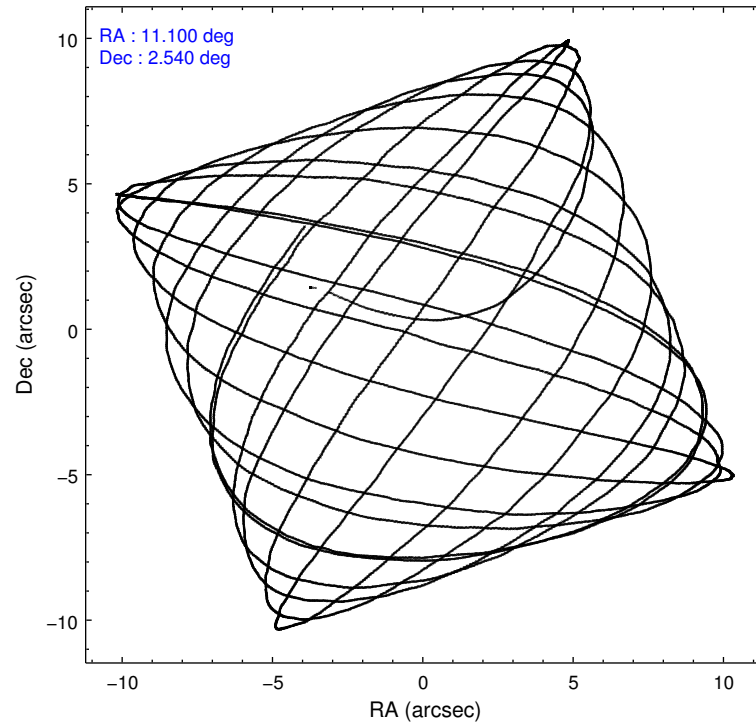
2.1.4 Events

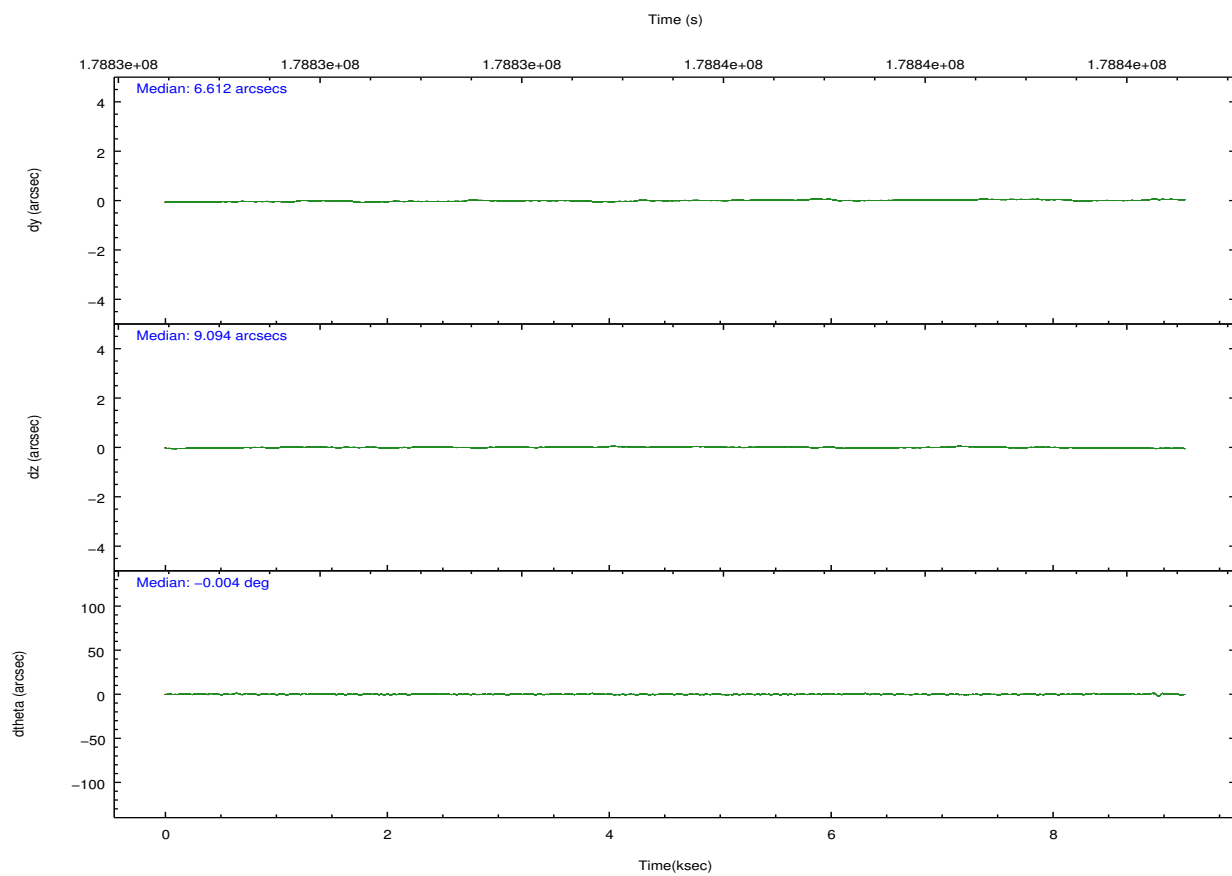
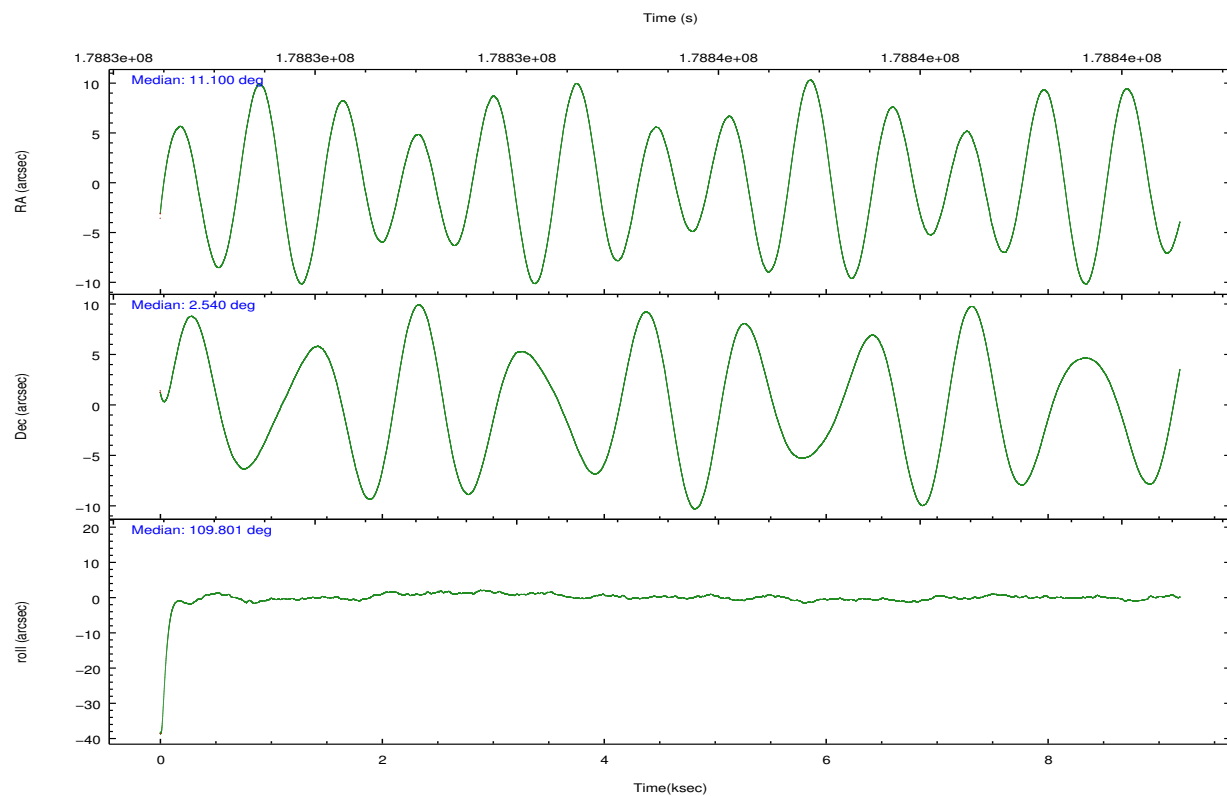
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	58820	56068	88360	58941	77421	72093	grade 0 events	2845	2826	5461	2745	2854	4606
rejected events	52318	49597	48163	52268	46283	57697		4%	5%	6%	4%	3%	6%
rejected %	88%	88%	54%	88%	59%	80%	grade 1 events	49	34	106	41	69	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	1357	1254	12143	1344	6275	3190
								2%	2%	13%	2%	8%	4%
							grade 3 events	662	674	1537	637	2730	1600
								1%	1%	1%	1%	3%	2%
							grade 4 events	594	661	1432	649	2790	1530
								1%	1%	1%	1%	3%	2%
							grade 5 events	2297	2409	6558	2627	7466	3423
								3%	4%	7%	4%	9%	4%
							grade 6 events	1124	1129	20156	1390	16917	3767
								1%	2%	22%	2%	21%	5%
							grade 7 events	49892	47081	40967	49508	38320	53927
								84%	83%	46%	83%	49%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	11.121092	11.1000832692424	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.522439	2.539736978993376	Alternating exposures requested	N	N
[deg] Pointing Roll	109.648930	109.8064424310877	[s] Primary exposure time	0.000000	3.2
[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)	178831116.184000	178829986.00842			
Observation start date	2003-09-01T19:17:32	2003-09-01T18:59:46			
[s] Observation end time (MET)	178840116.184000	178840302.63386			
Observation end date	2003-09-01T21:47:32	2003-09-01T21:51:42			
Read mode	TIMED	TIMED			

2.3 Aspect



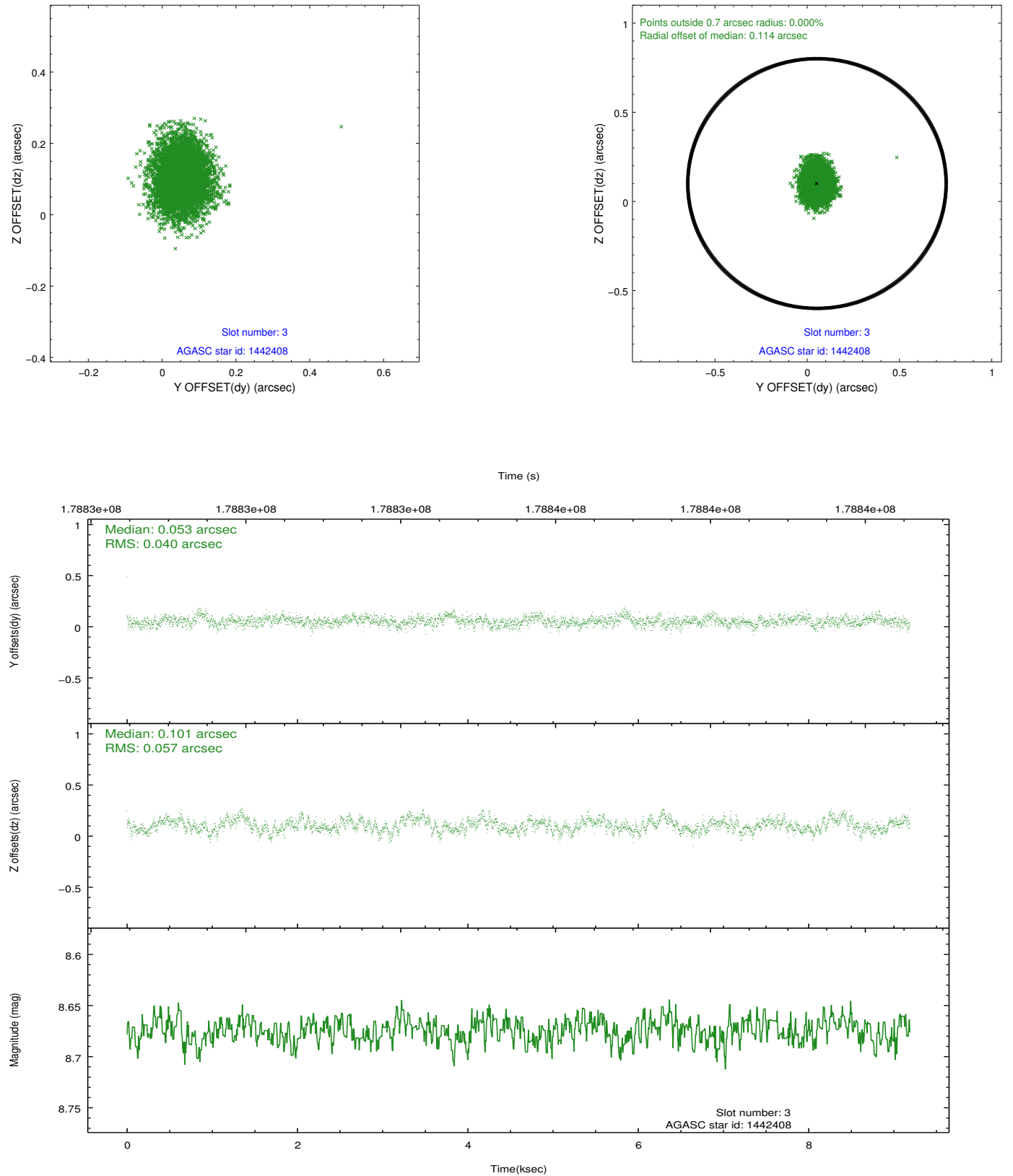


Slot Statistics

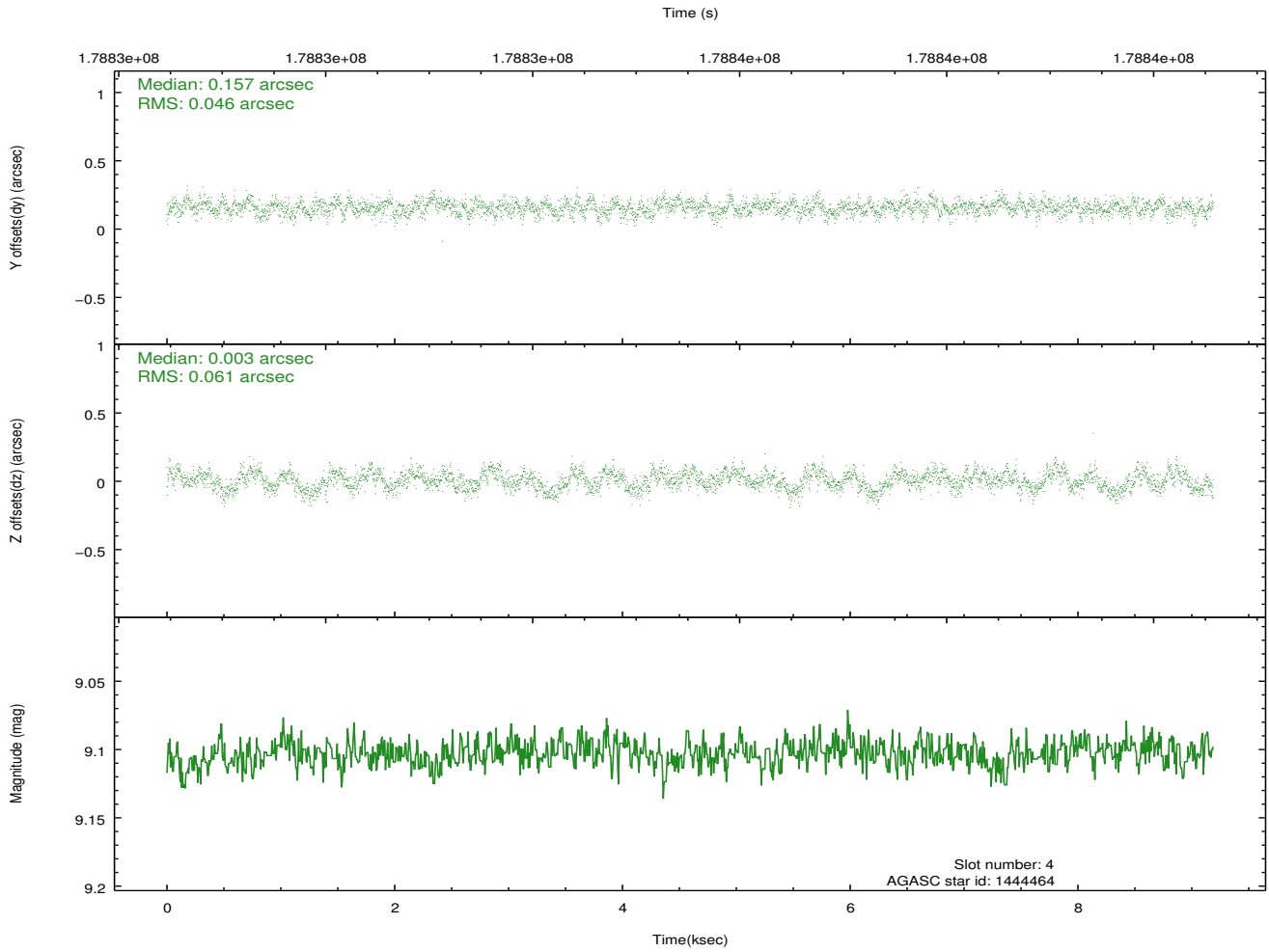
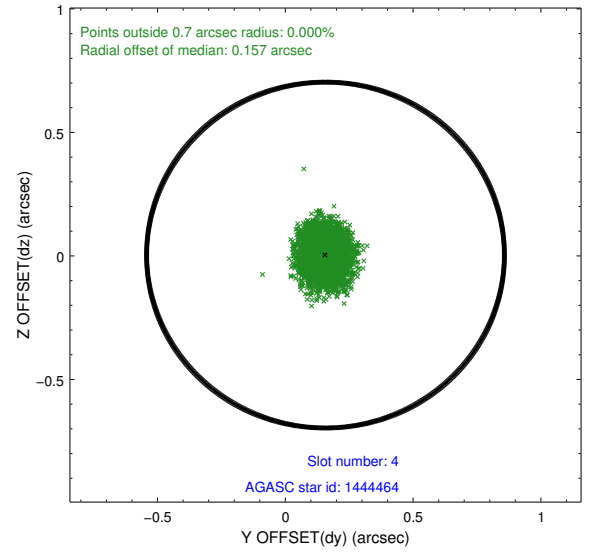
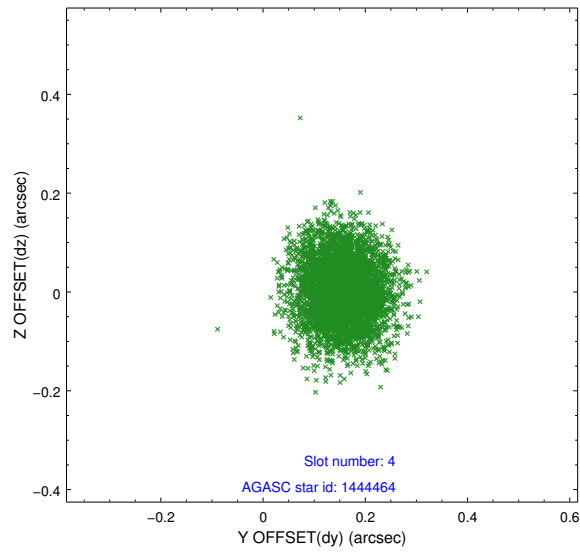
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2242	-0.042	-0.035	0.007	0.011	0.000000	0.000000	-759.38	-1730.35
1	FID	ACIS-S-4	7.20	2242	0.064	0.029	0.006	0.011	0.000000	0.000000	2153.72	177.60
2	FID	ACIS-S-5	7.22	2242	-0.054	0.014	0.007	0.011	0.000000	0.000000	-1811.48	171.91
3	GUIDE	1442408	8.67	4481	0.053	0.101	0.075	0.120	11.437221	2.487670	-499.80	-1028.73
4	GUIDE	1444464	9.10	4481	0.157	0.003	0.082	0.131	10.870121	2.307838	-423.83	1109.68
5	GUIDE	1451664	8.23	4484	0.096	-0.119	0.066	0.106	10.822745	2.053627	-1228.41	1578.37
6	GUIDE	1835312	8.61	4483	-0.094	0.088	0.064	0.100	11.138504	2.604519	257.05	-157.87
7	GUIDE	1836648	8.69	4482	-0.211	-0.075	0.067	0.107	10.519756	2.934463	2124.25	1537.36

2.4 Star Slots

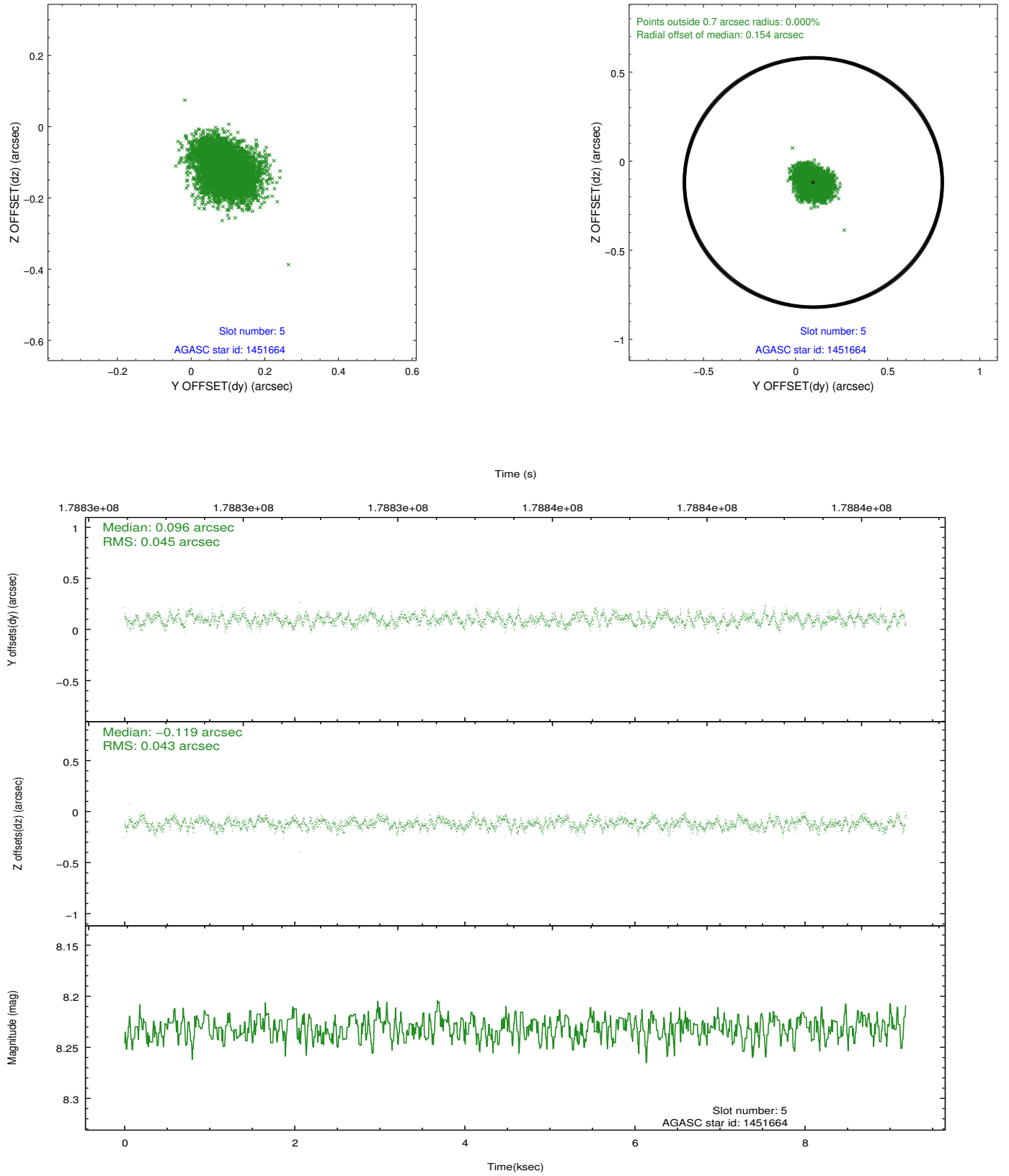
2.4.1 Slot 3



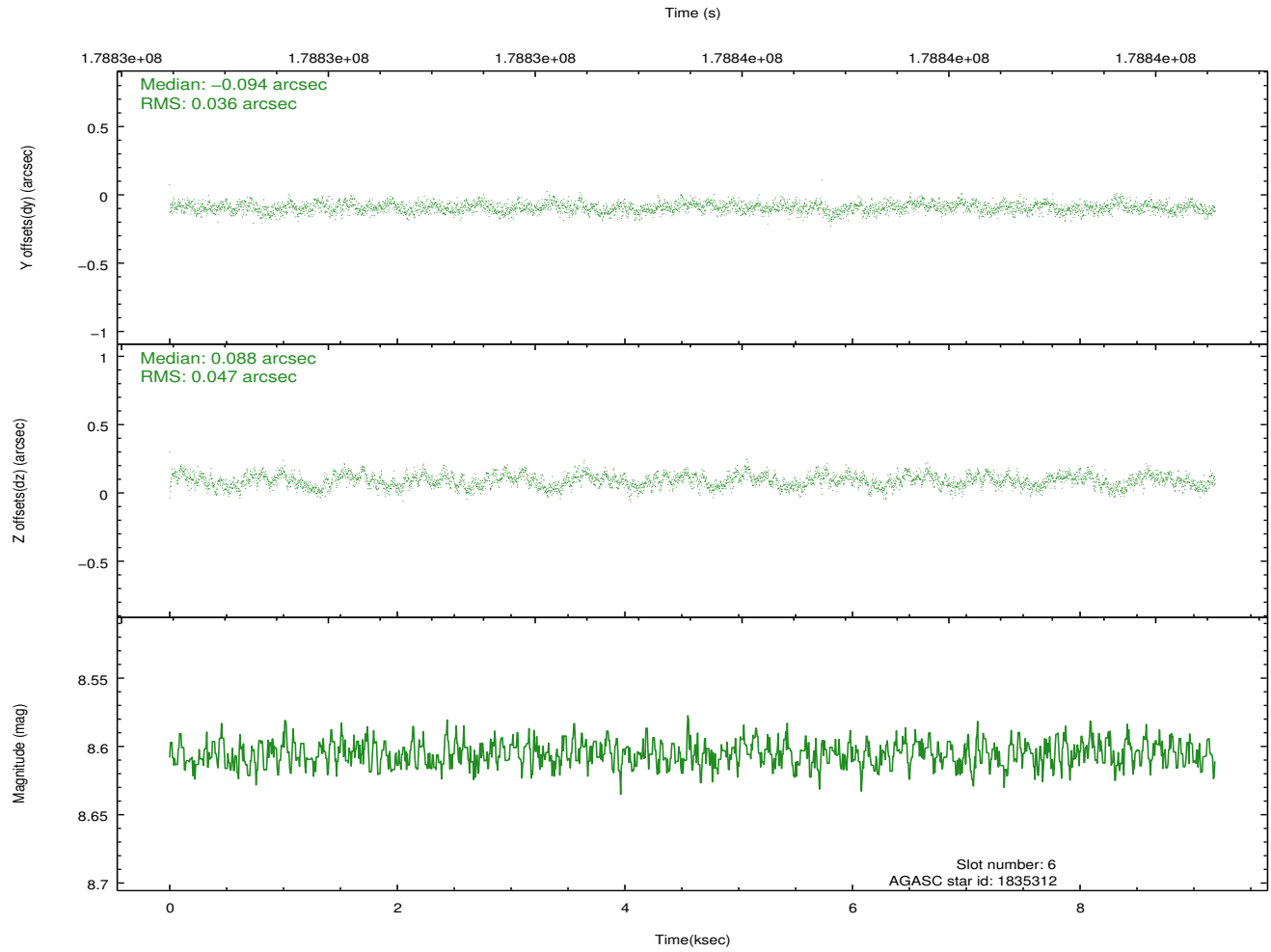
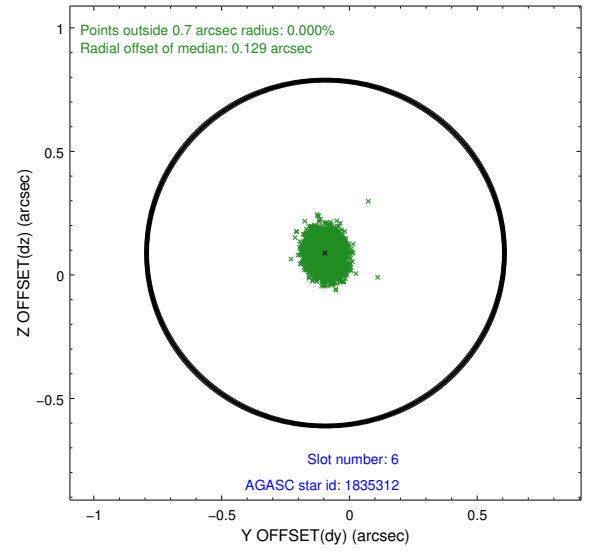
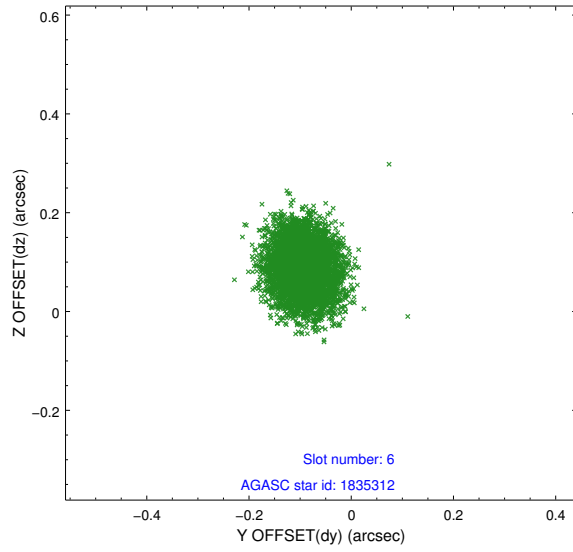
2.4.2 Slot 4



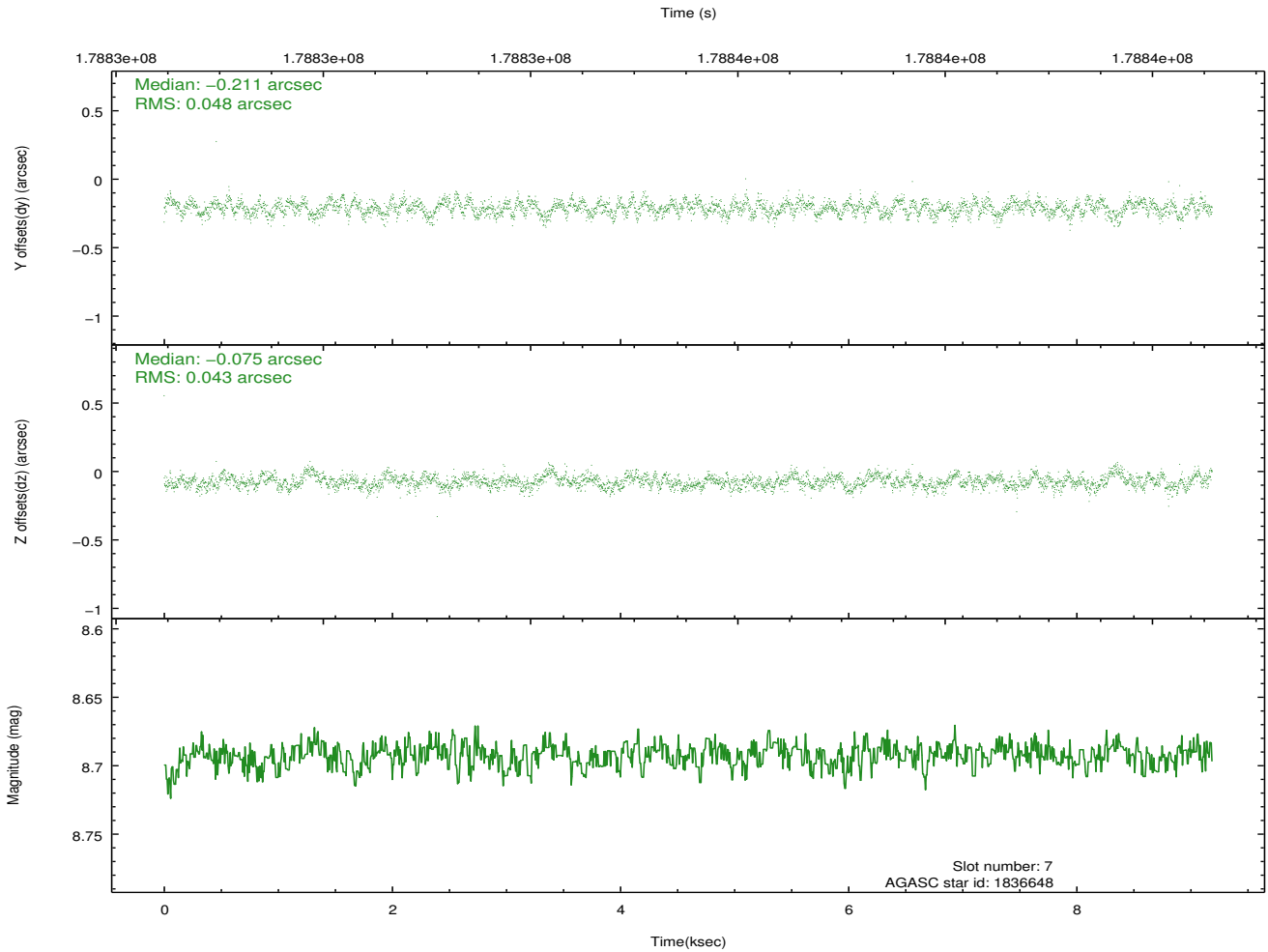
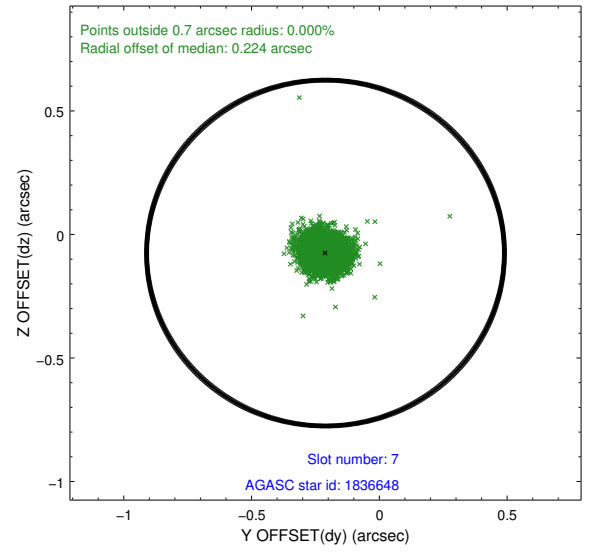
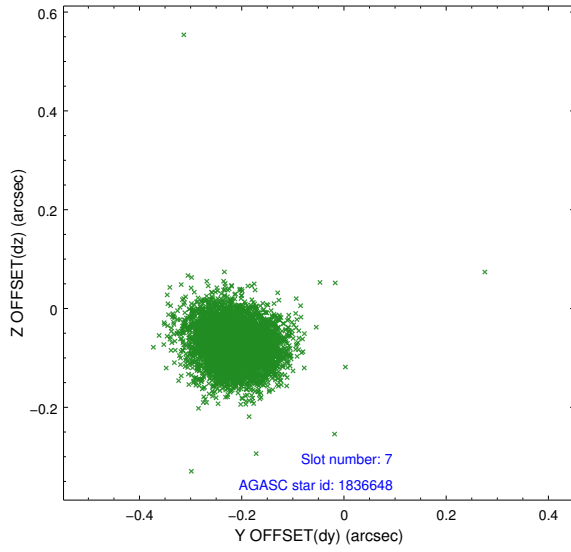
2.4.3 Slot 5



2.4.4 Slot 6

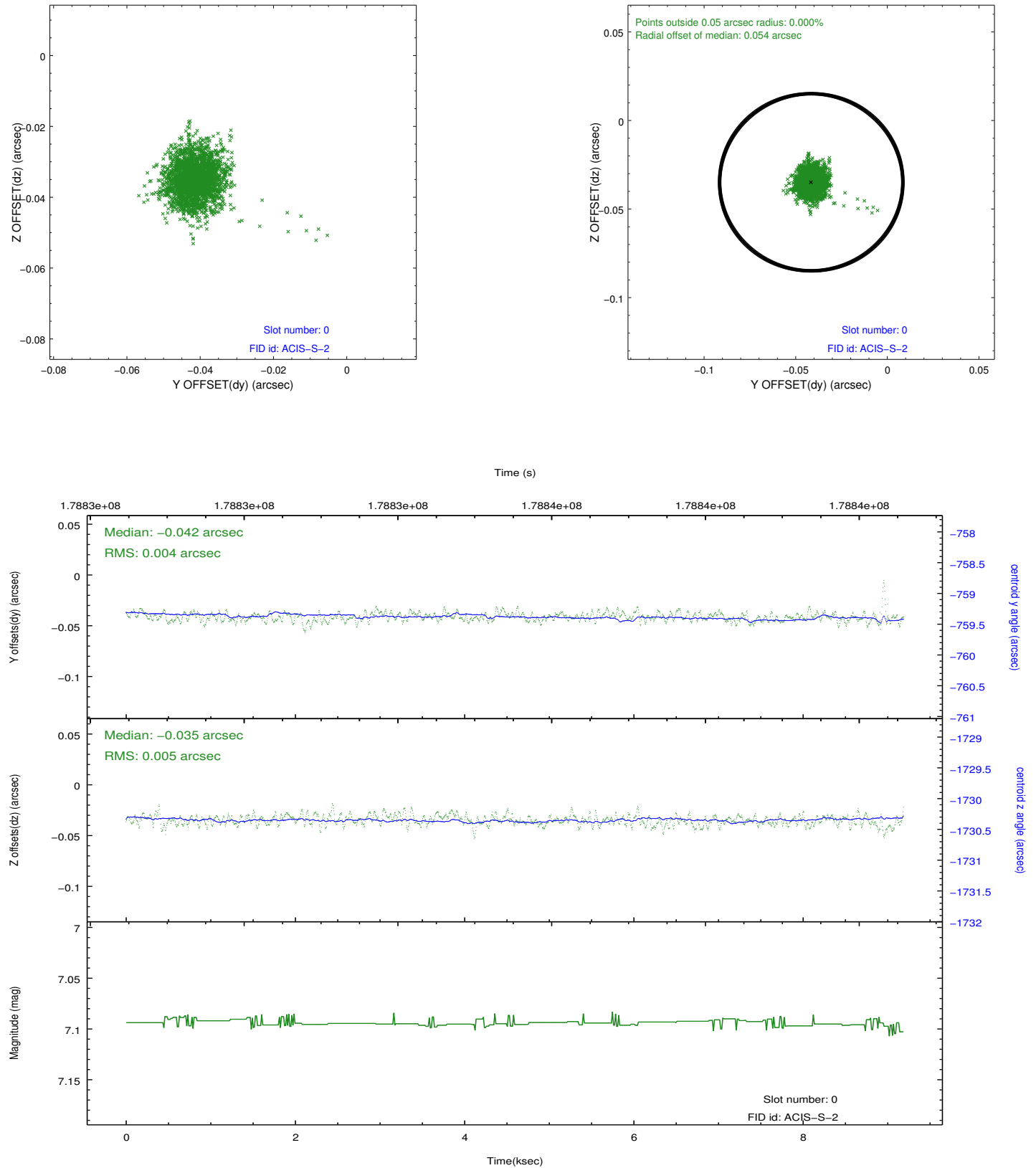


2.4.5 Slot 7

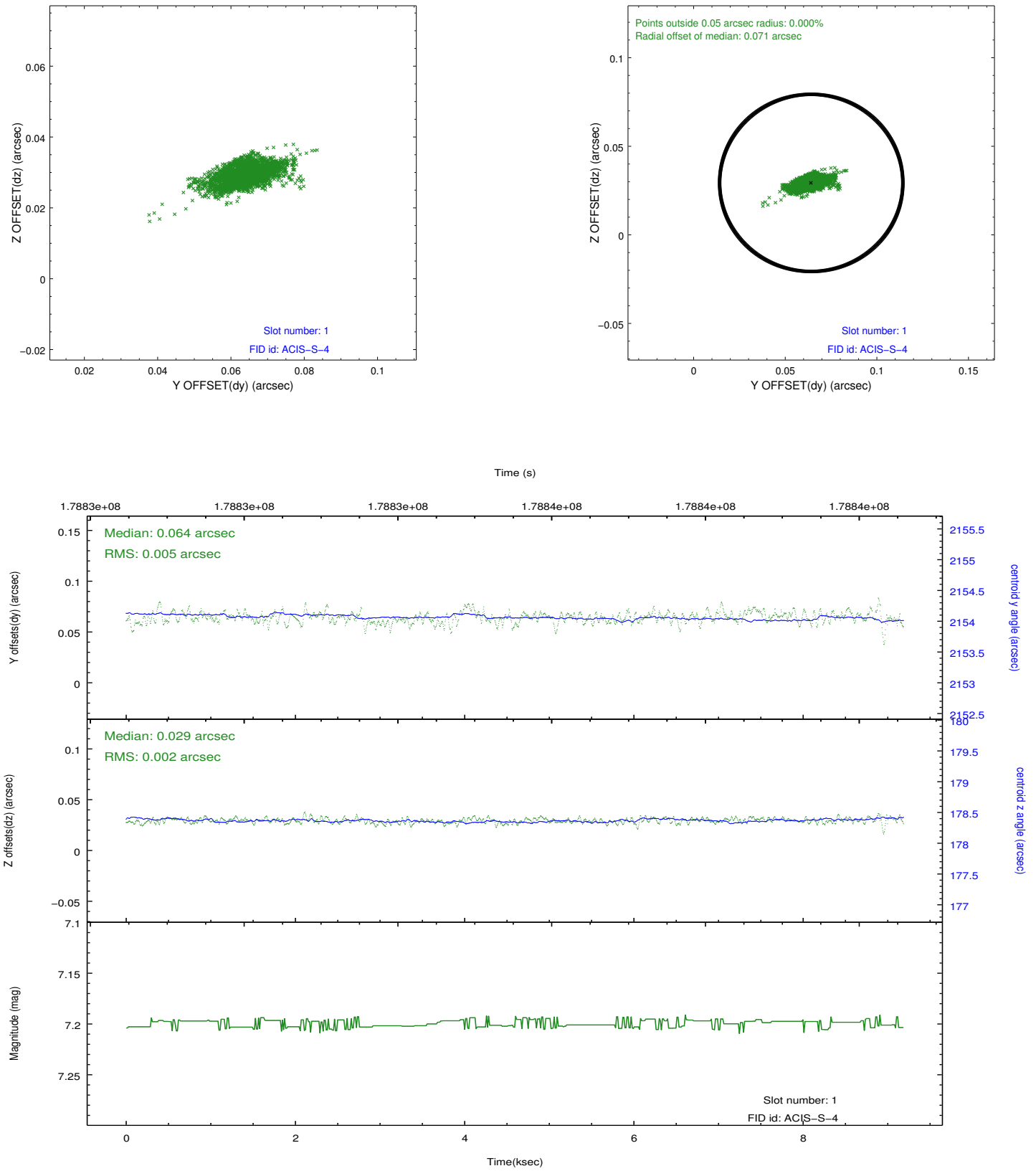


2.5 FID Slots

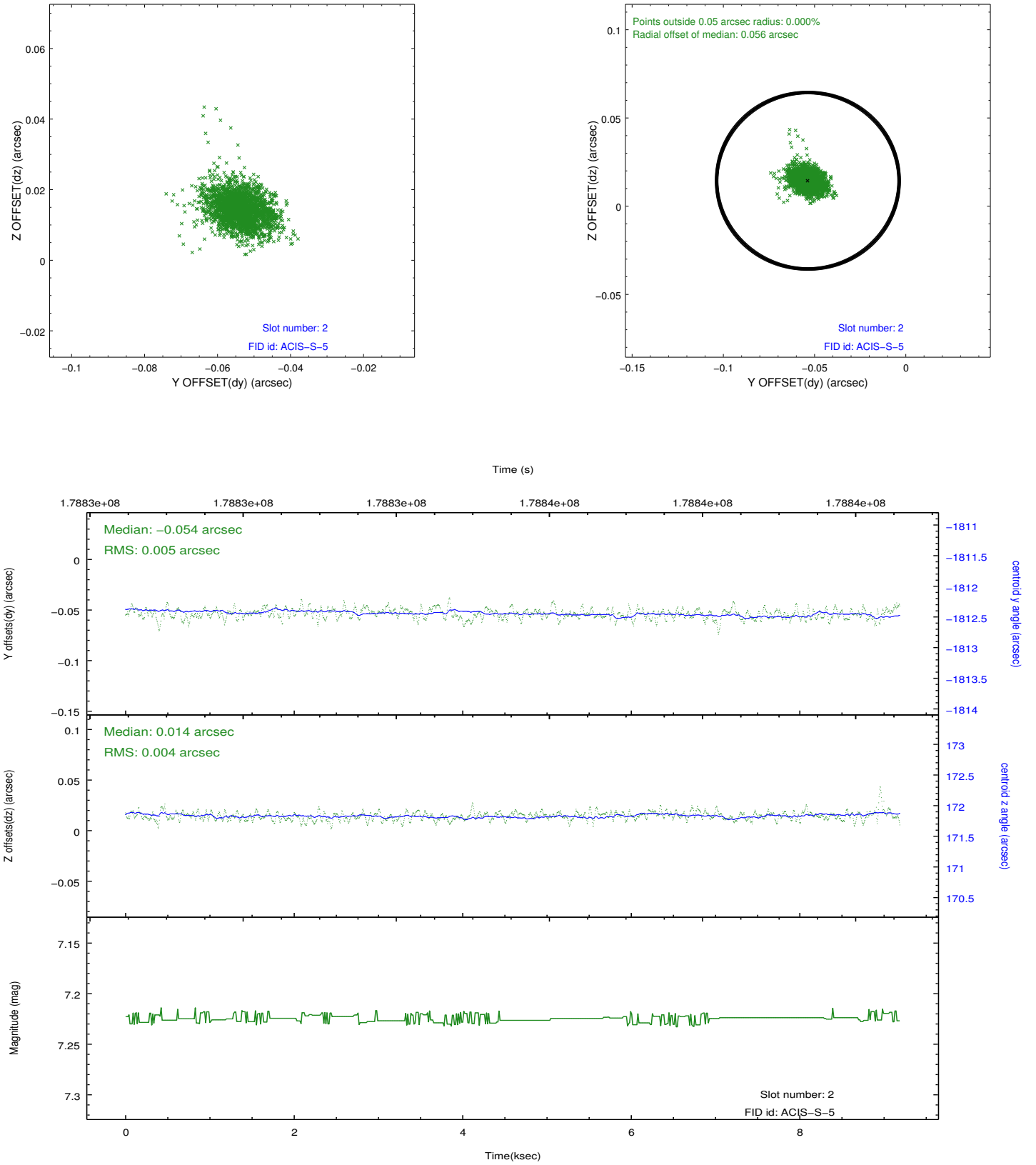
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.18

A.2 Comments