

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4525 - L2 Version 4
Chandra X-Ray Center

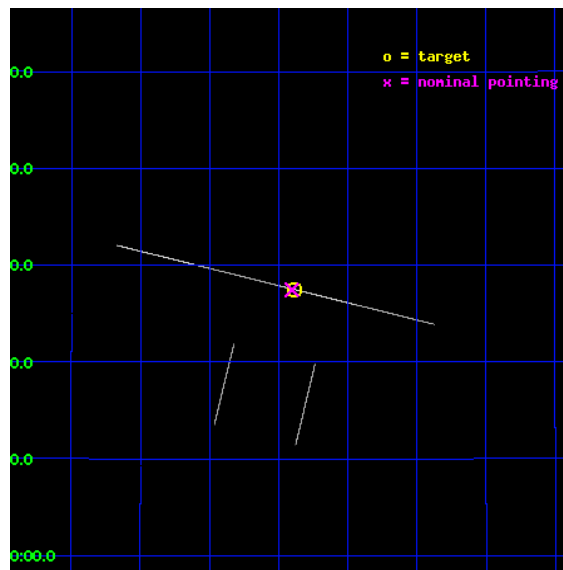
L2 Processing Date : Nov 10 2012

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1 Front

seq_num	300119	Sequence number
obs_id	4525	Observation id
title	Timing the Orbit of RX J0806.3+1527	Proposal title
observer	Dr. Tod Strohmayer	Principal investigator
object	RX J0806.3+1527	Source name
ra_targ	121.596667	Observer's specified target RA [deg]
dec_targ	15.458389	Observer's specified target Dec [deg]
ra_nom	121.60108194619	Nominal RA [deg]
dec_nom	15.457725755676	Nominal Dec [deg]
roll_nom	13.759805362163	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9751.5	Sum of GTIs [s]
livetime	9713.408203125	Livetime [s]
ontime2	9751.5	Sum of GTIs [s]
ontime3	9751.5	Sum of GTIs [s]
ontime5	9751.5	Sum of GTIs [s]
ontime6	9751.5	Sum of GTIs [s]
ontime7	9751.5	Sum of GTIs [s]
ontime8	9751.5	Sum of GTIs [s]
l2events	120785	Number of level 2 events

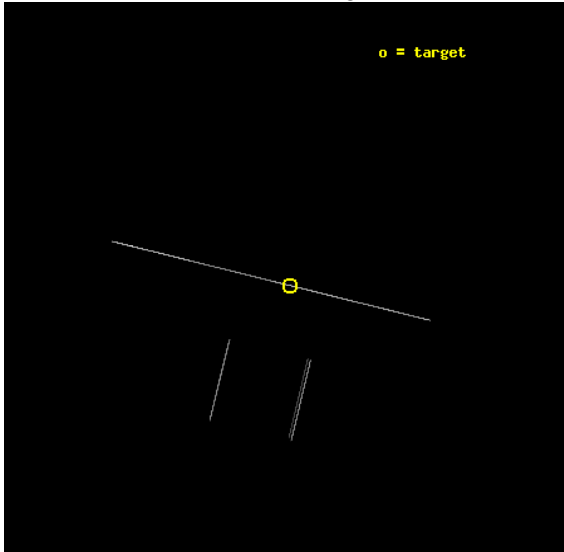


2 OBI

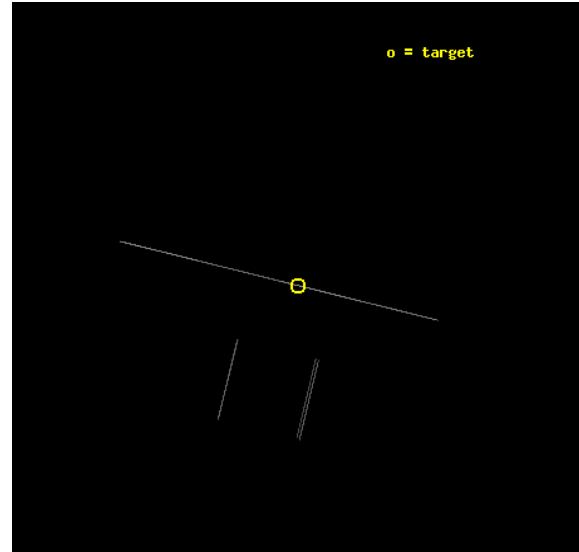
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	9500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9751.5	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	9751.5	Sum of GTIs [s]
date	2012-11-10T22:02:03	Date and time of file creation	ontime3	9751.5	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	9751.5	Sum of GTIs [s]
			ontime6	9751.5	Sum of GTIs [s]
			ontime7	9751.5	Sum of GTIs [s]
			ontime8	9751.5	Sum of GTIs [s]
			l1events	207566	Number of level 1 events

2.1.3 Events

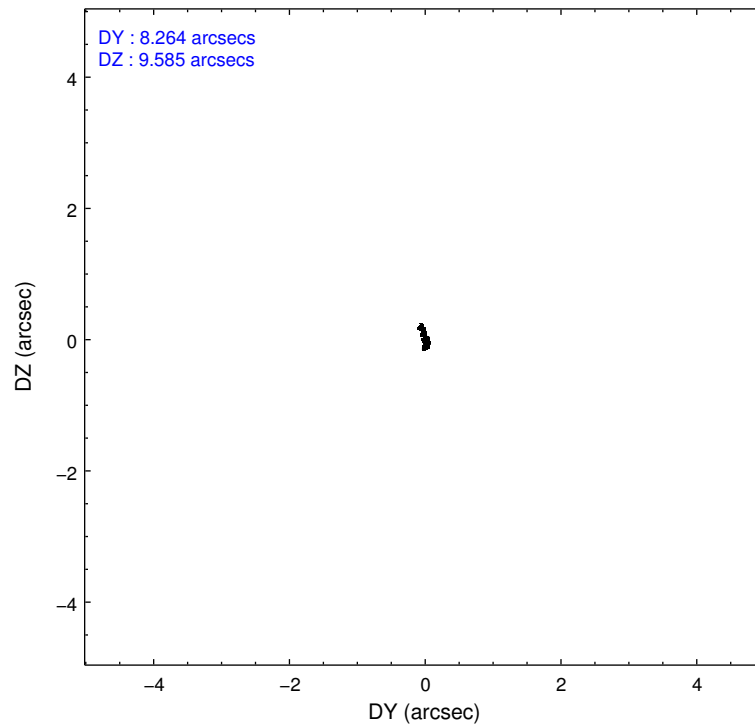
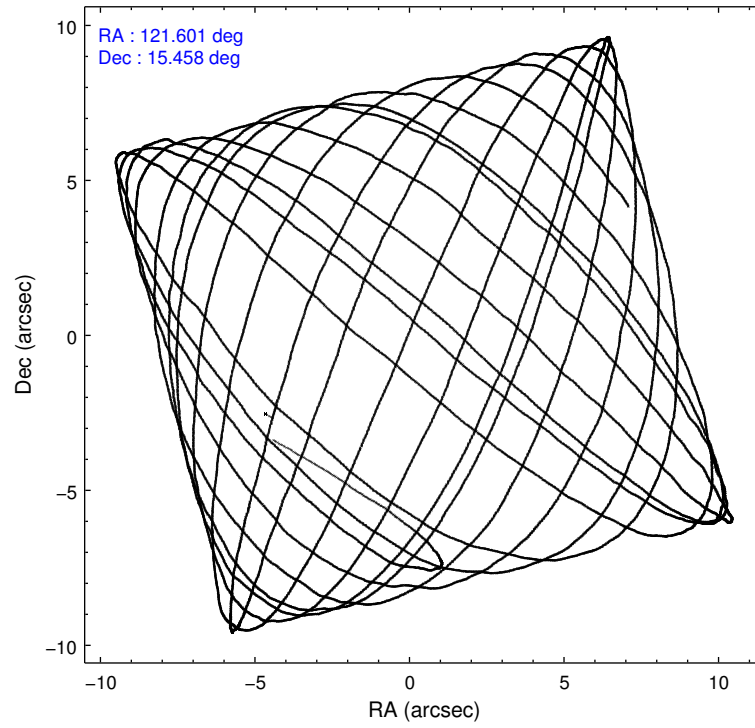
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14251	15802	84584	15730	47849	29350
rejected events	3305	3616	11327	3838	9622	5723
rejected %	23%	22%	13%	24%	20%	19%

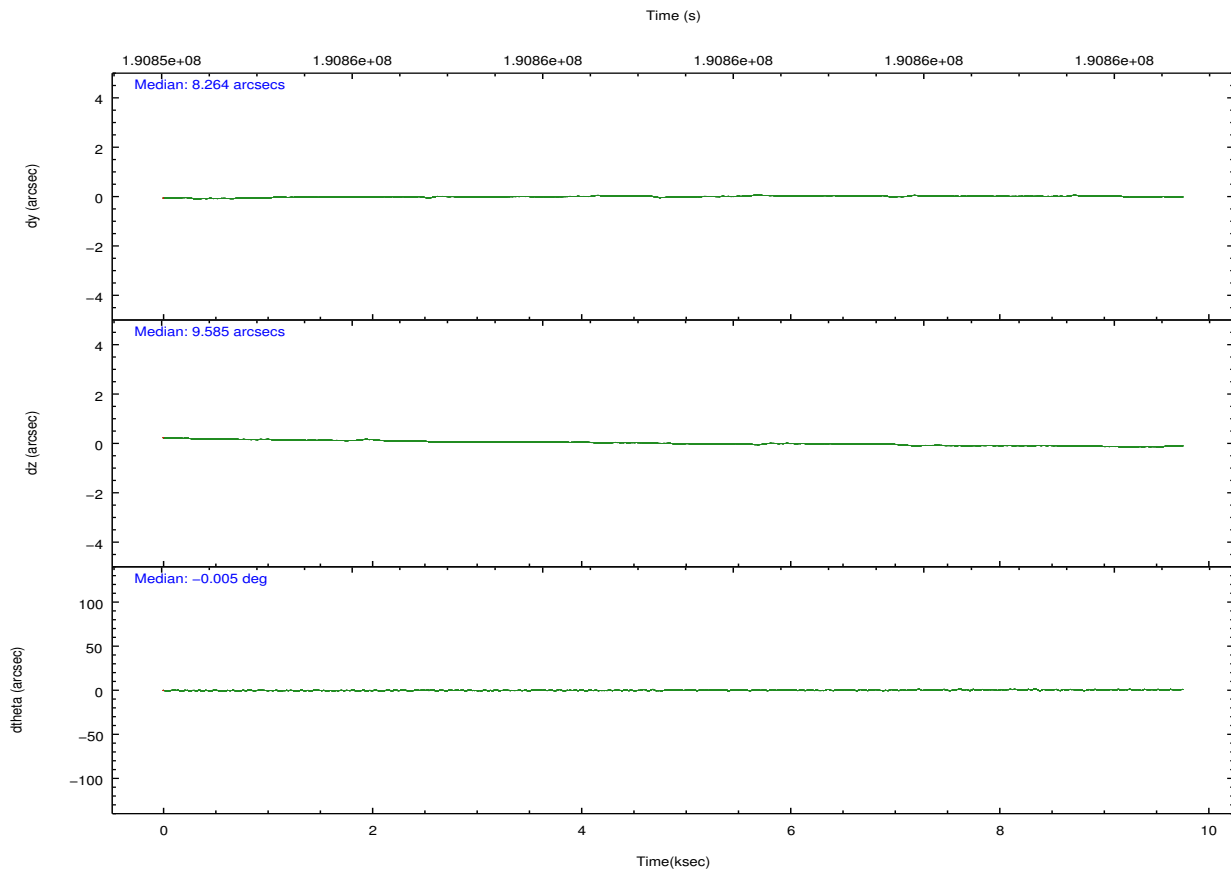
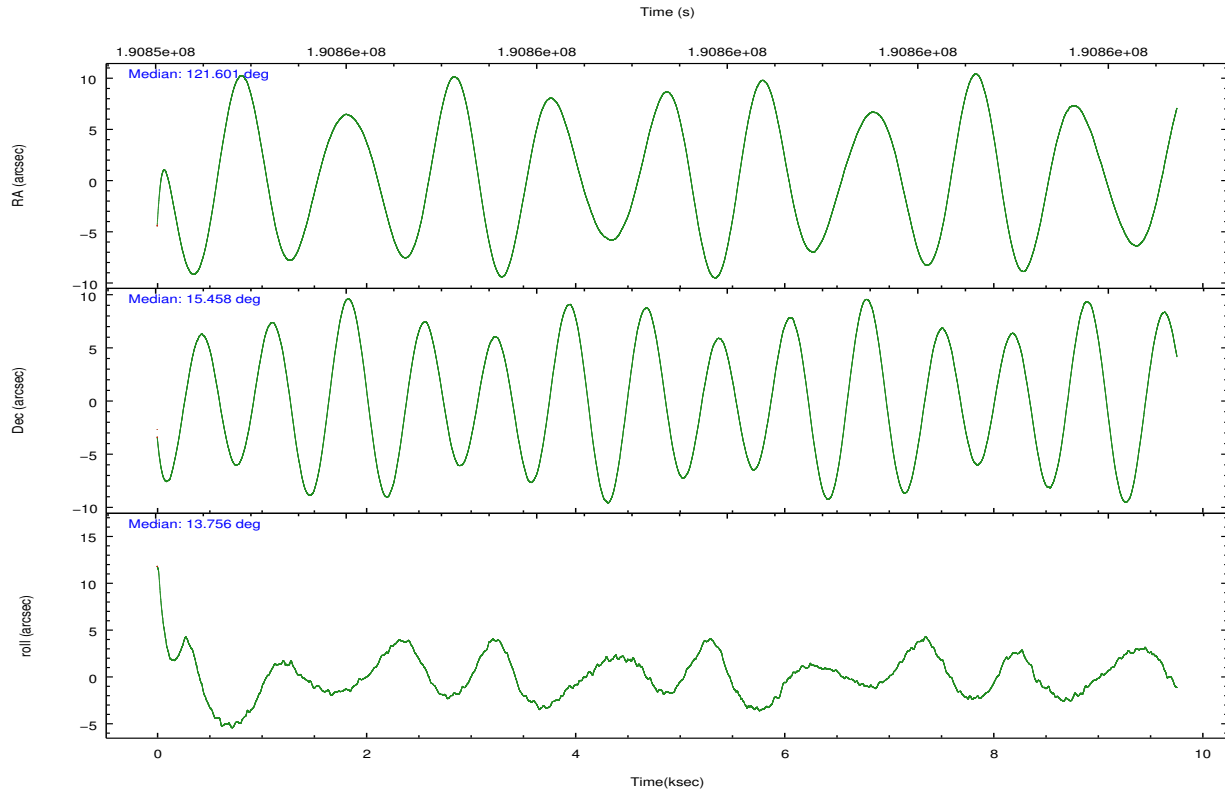
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1473	1511	27263	1379	3823	4367
	10%	9%	32%	8%	7%	14%
grade 1 events	31	43	60	40	70	79
	0%	0%	0%	0%	0%	0%
grade 2 events	4924	5655	20101	5432	10514	8426
	34%	35%	23%	34%	21%	28%
grade 3 events	1342	1686	1026	1460	1728	2819
	9%	10%	1%	9%	3%	9%
grade 4 events	1429	1441	962	1391	1706	2764
	10%	9%	1%	8%	3%	9%
grade 5 events	2352	2510	5477	2825	6568	3760
	16%	15%	6%	17%	13%	12%
grade 6 events	2700	2956	29695	3203	23440	7135
	18%	18%	35%	20%	48%	24%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_GRADED	CC33_GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	121.580994	121.6010819461944	Subarray requested	NONE	NONE
[deg] Pointing Dec	15.438616	15.4577257556763	Alternating exposures requested	N	N
[deg] Pointing Roll	13.608515	13.75980536216341	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	190854749.184000	190853748.51551			
Observation start date	2004-01-18T23:11:25	2004-01-18T22:55:48			
[s] Observation end time (MET)	190864249.184000	190864949.716			
Observation end date	2004-01-19T01:49:45	2004-01-19T02:02:29			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



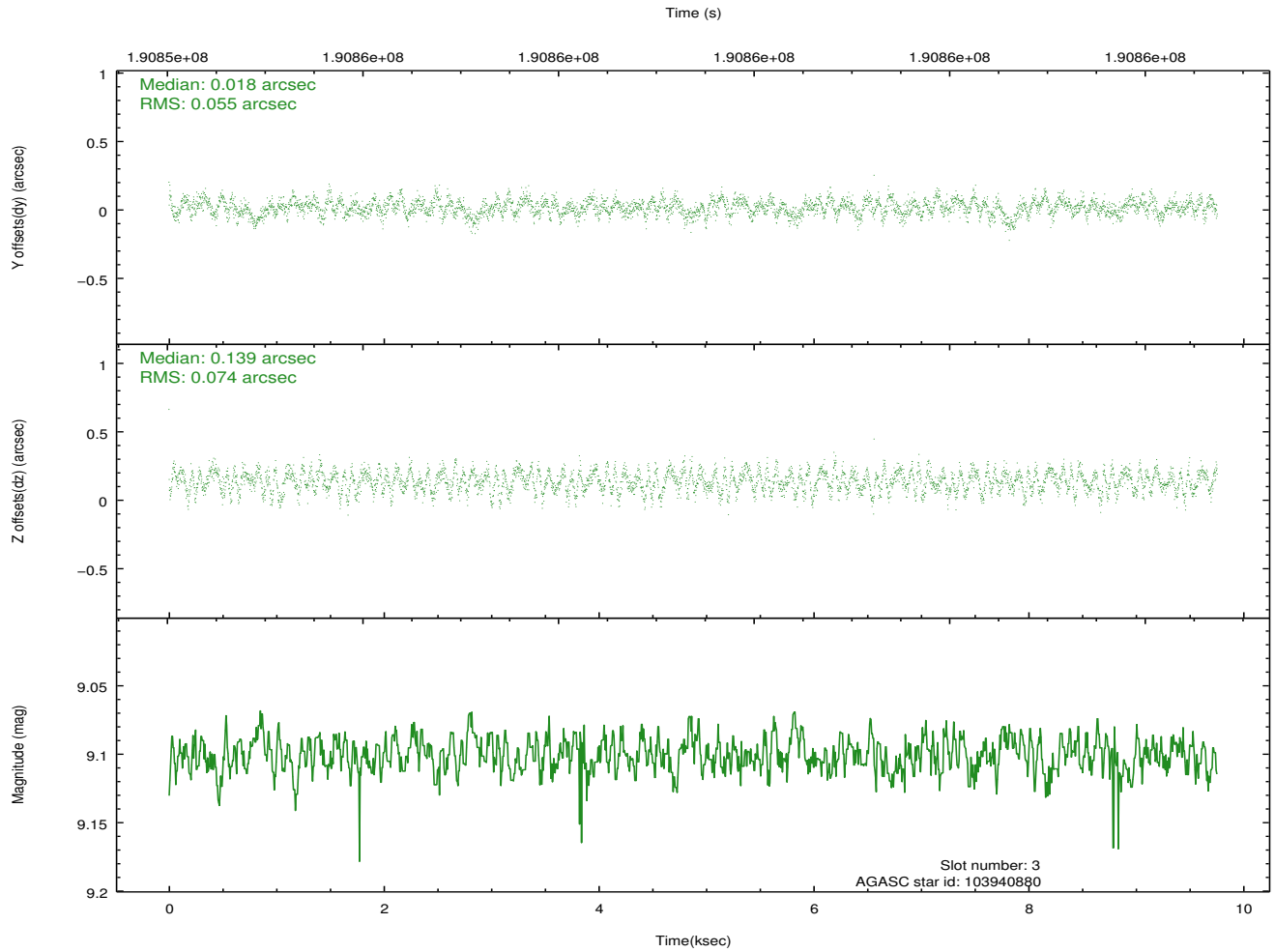
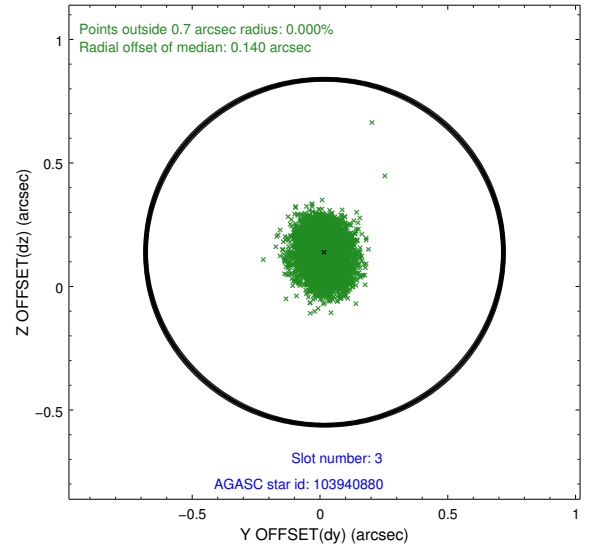
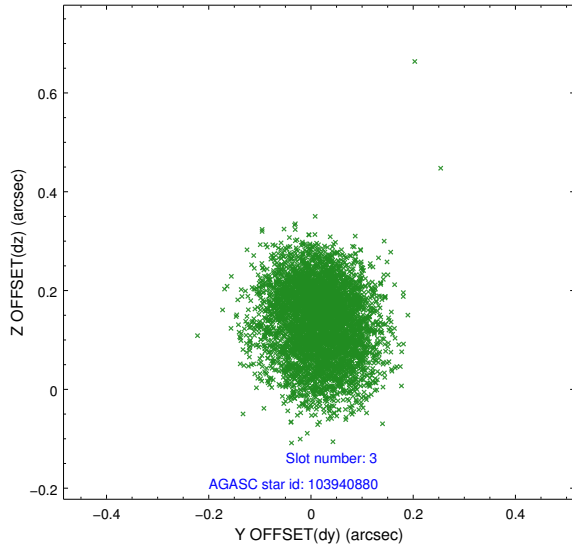


Slot Statistics

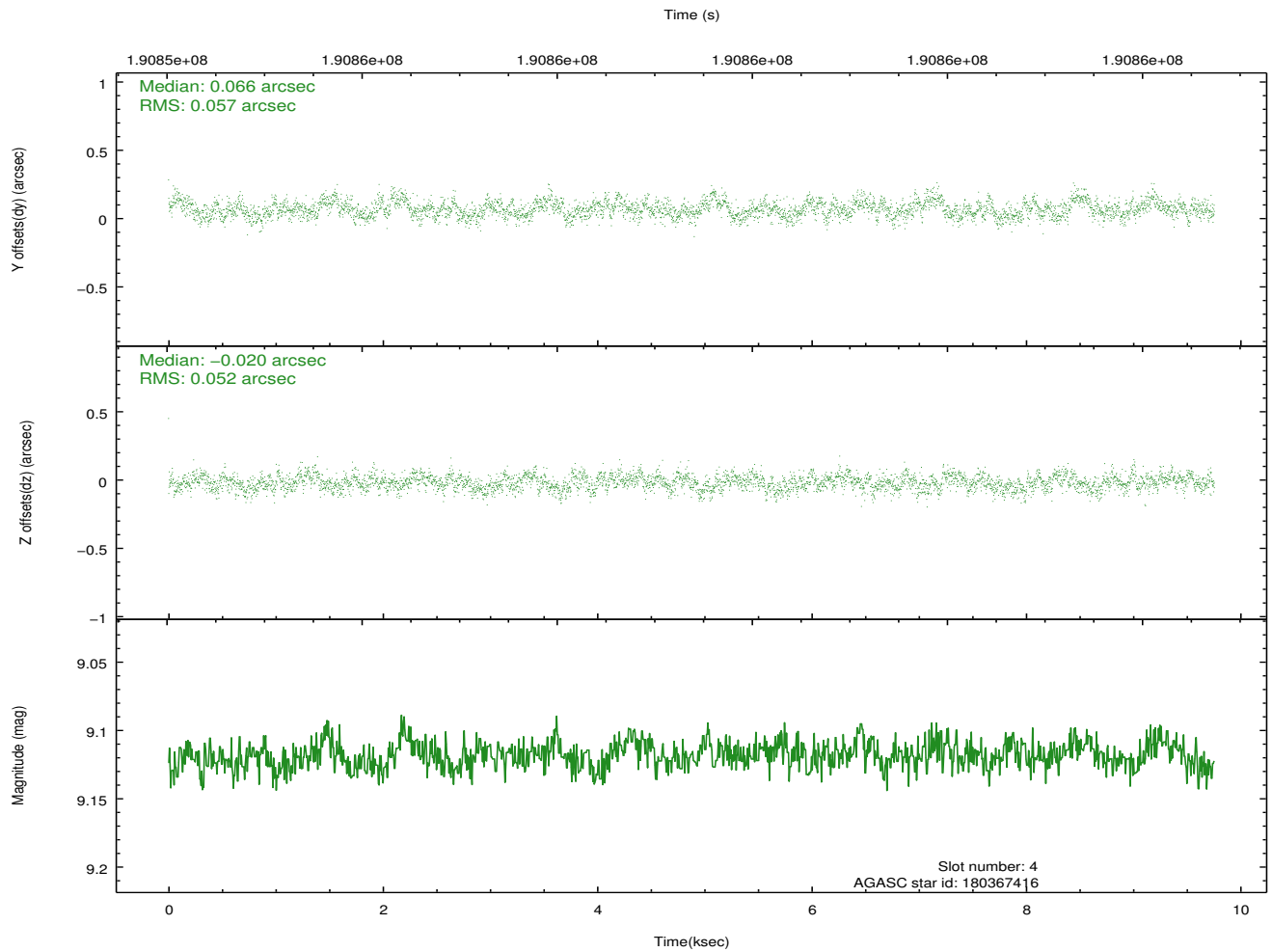
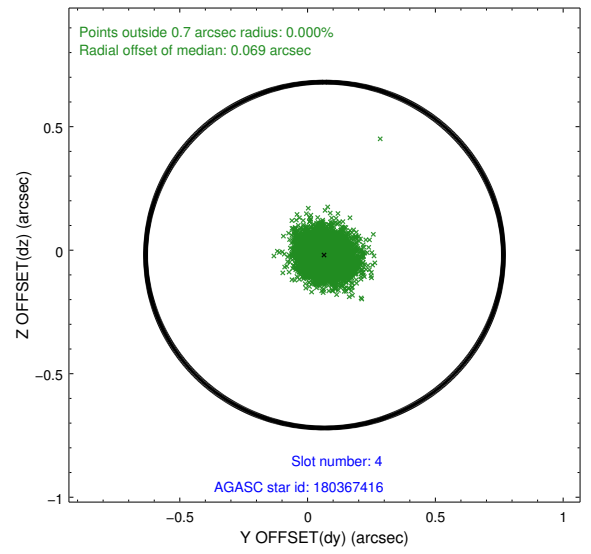
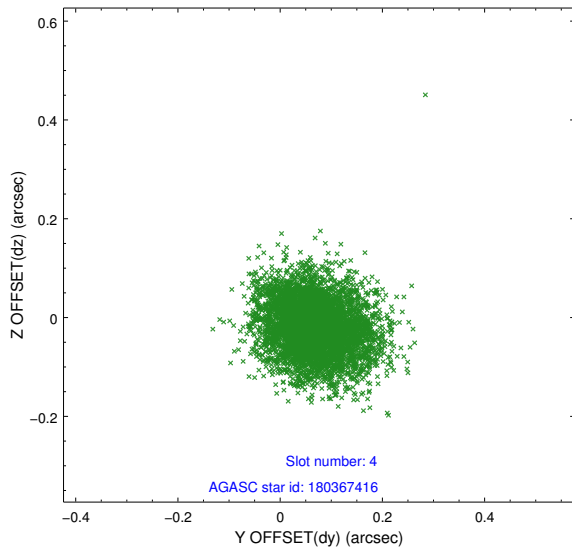
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2380	-0.022	-0.021	0.007	0.012	0.000000	0.000000	-761.04	-1730.82
1	FID	ACIS-S-4	7.21	2380	0.085	0.017	0.005	0.010	0.000000	0.000000	2152.06	177.18
2	FID	ACIS-S-5	7.23	2380	-0.094	0.014	0.007	0.012	0.000000	0.000000	-1813.28	171.41
3	GUIDE	103940880	9.10	4756	0.018	0.139	0.099	0.156	121.309737	14.754895	-1496.27	-2169.42
4	GUIDE	180367416	9.12	4756	0.066	-0.020	0.082	0.133	120.920648	15.525818	-2151.33	847.03
5	GUIDE	180370112	8.37	4760	-0.065	-0.096	0.063	0.100	121.144488	15.364256	-1536.27	97.18
6	GUIDE	180372496	7.92	4760	0.012	0.015	0.062	0.100	121.745221	15.155380	315.10	-1124.96
7	GUIDE	180359160	9.57	4757	-0.032	-0.041	0.121	0.205	121.837257	16.020694	1355.44	1828.57

2.4 Star Slots

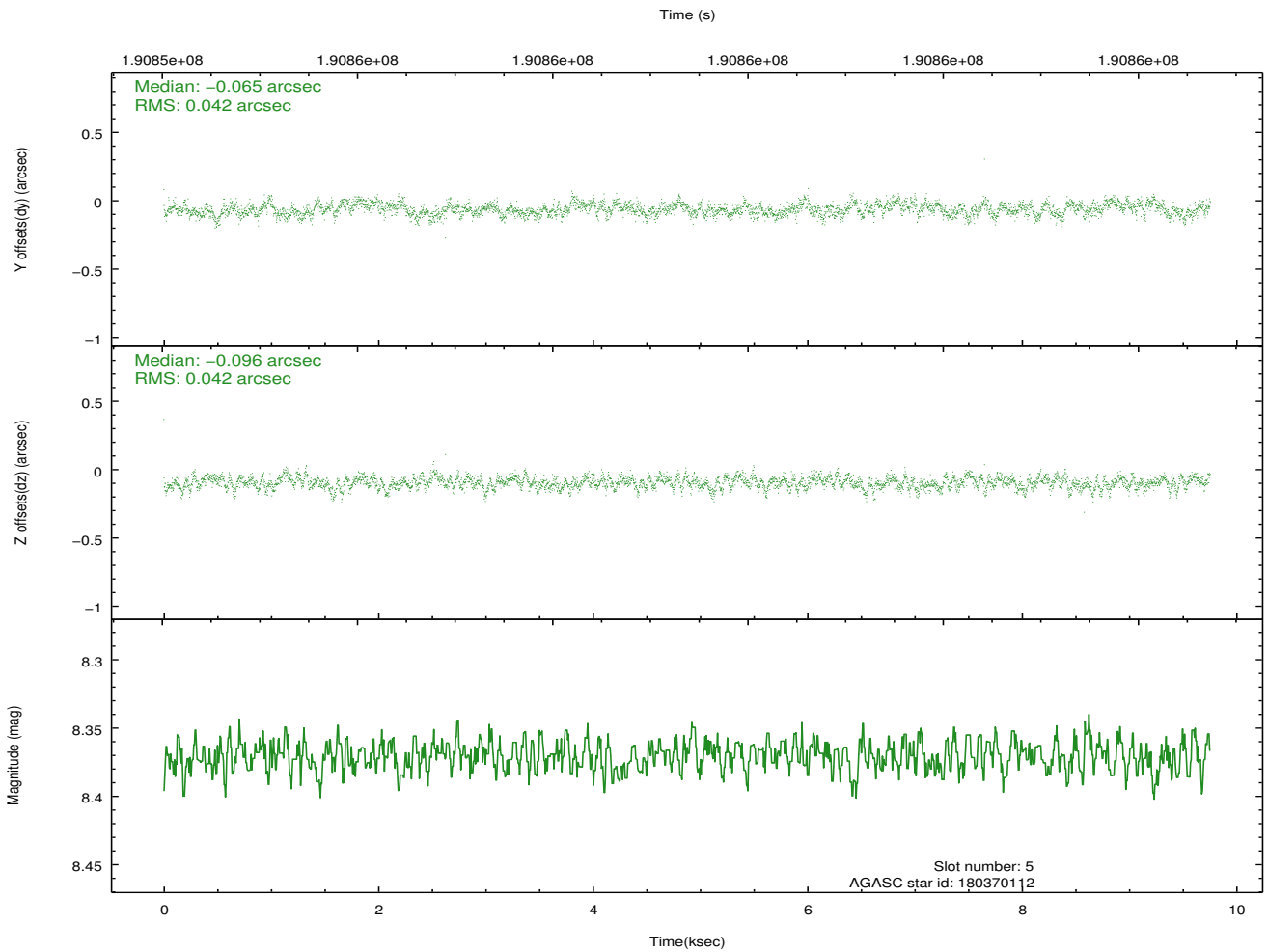
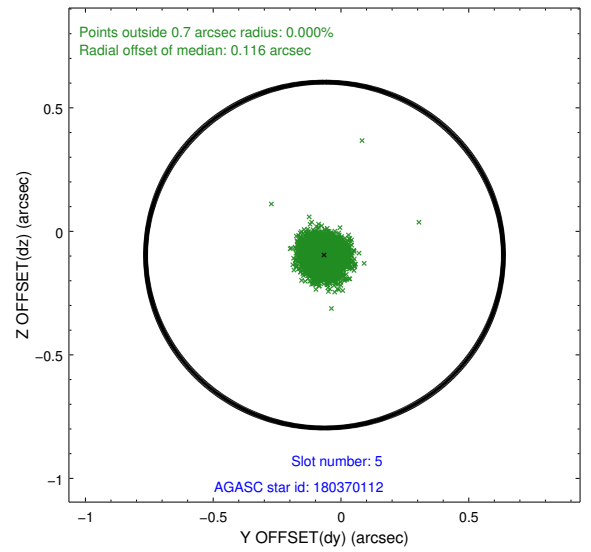
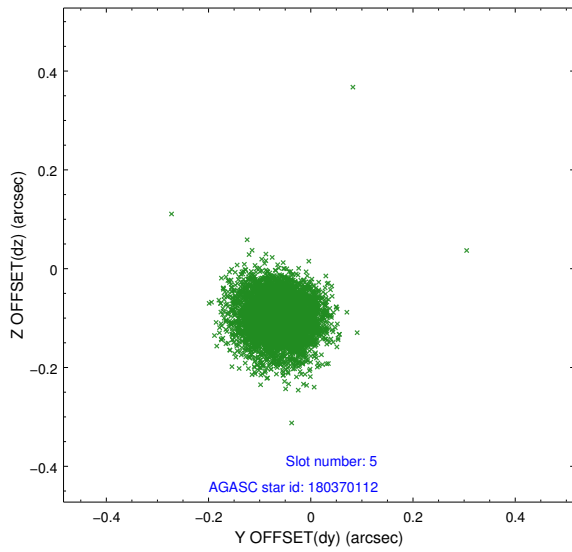
2.4.1 Slot 3



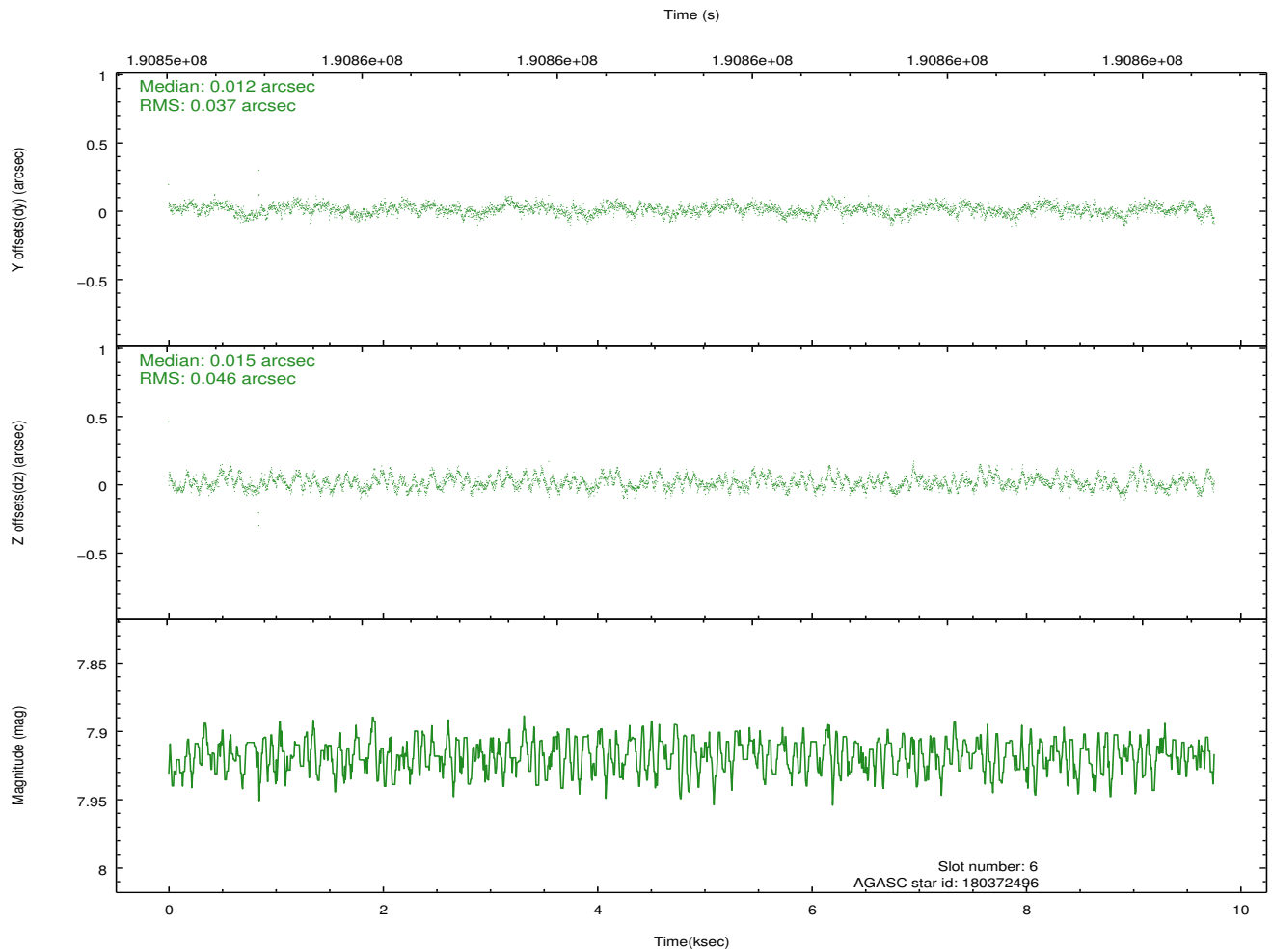
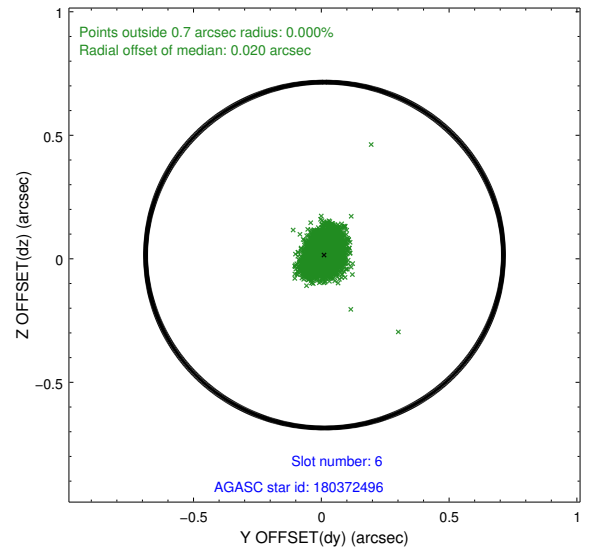
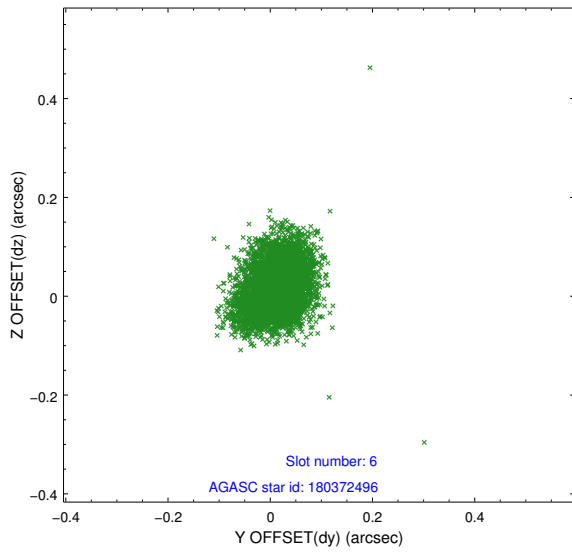
2.4.2 Slot 4



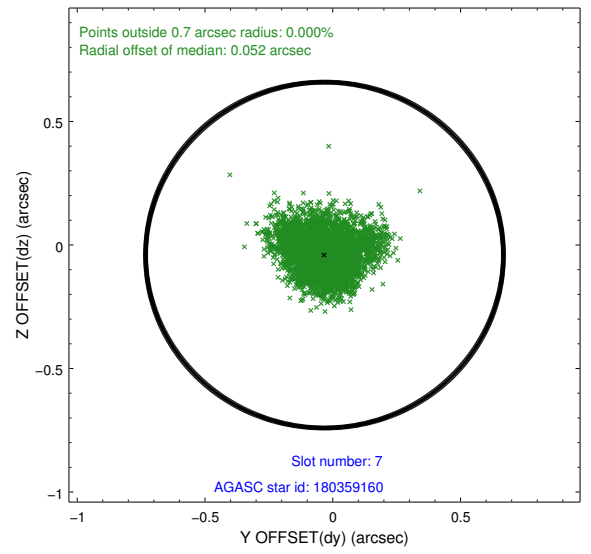
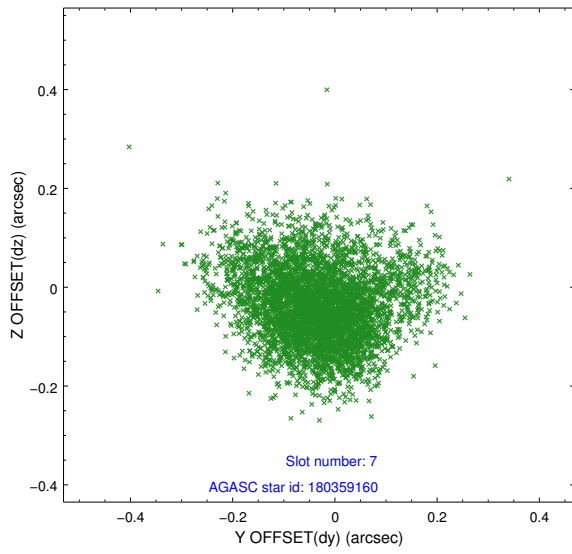
2.4.3 Slot 5



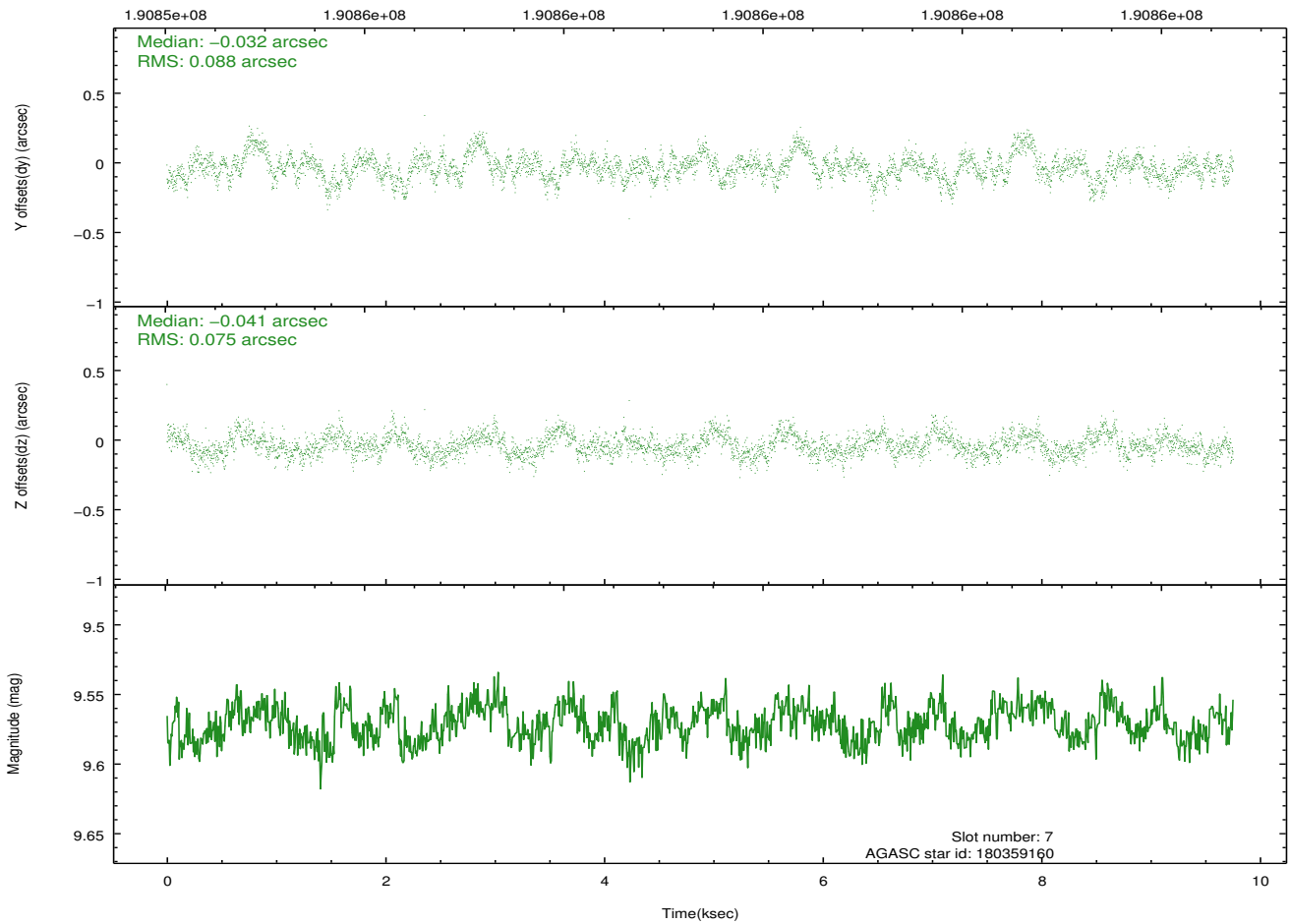
2.4.4 Slot 6



2.4.5 Slot 7

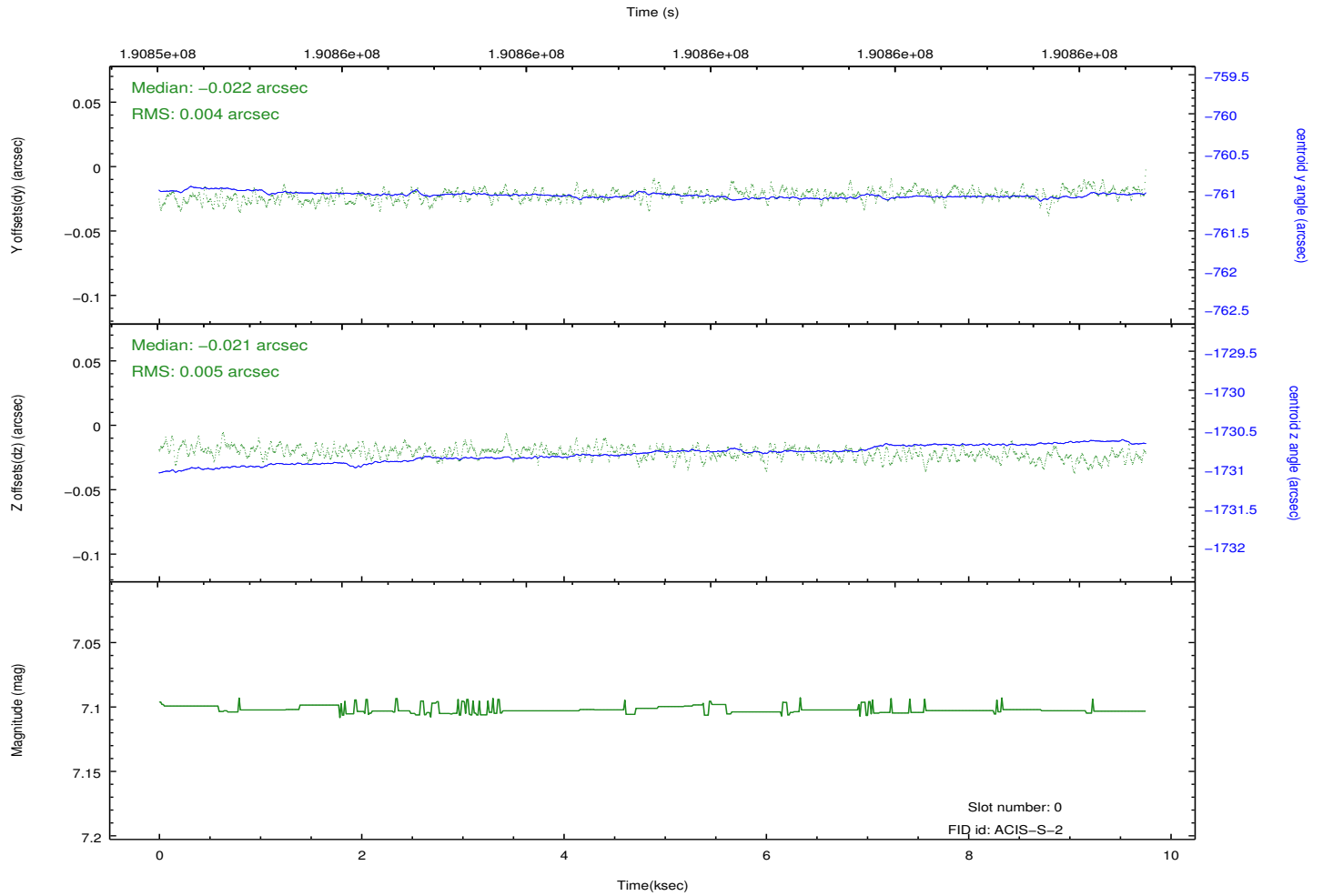
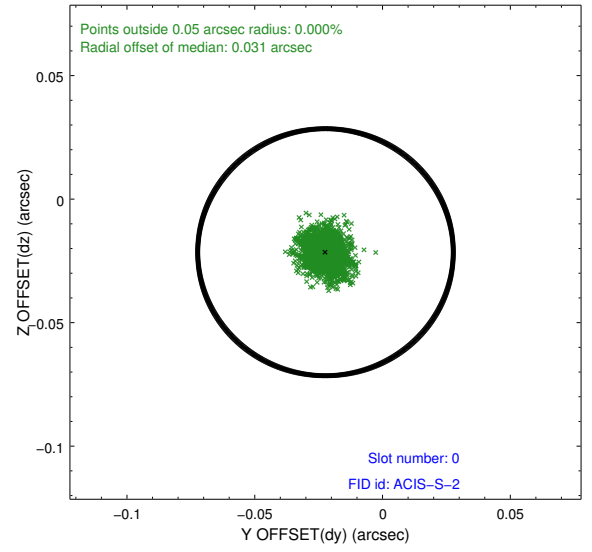
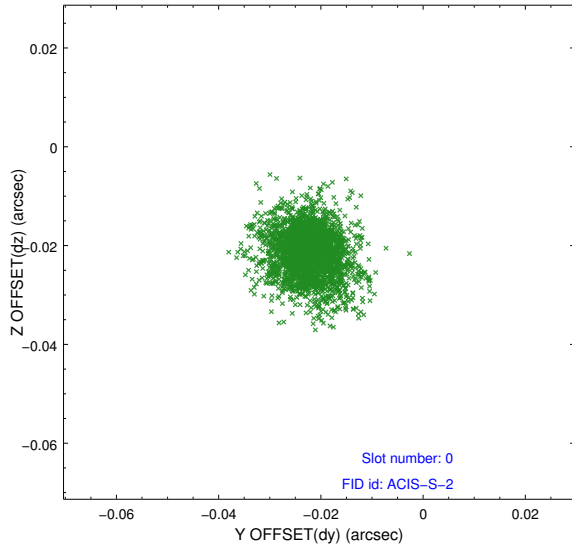


Time (s)

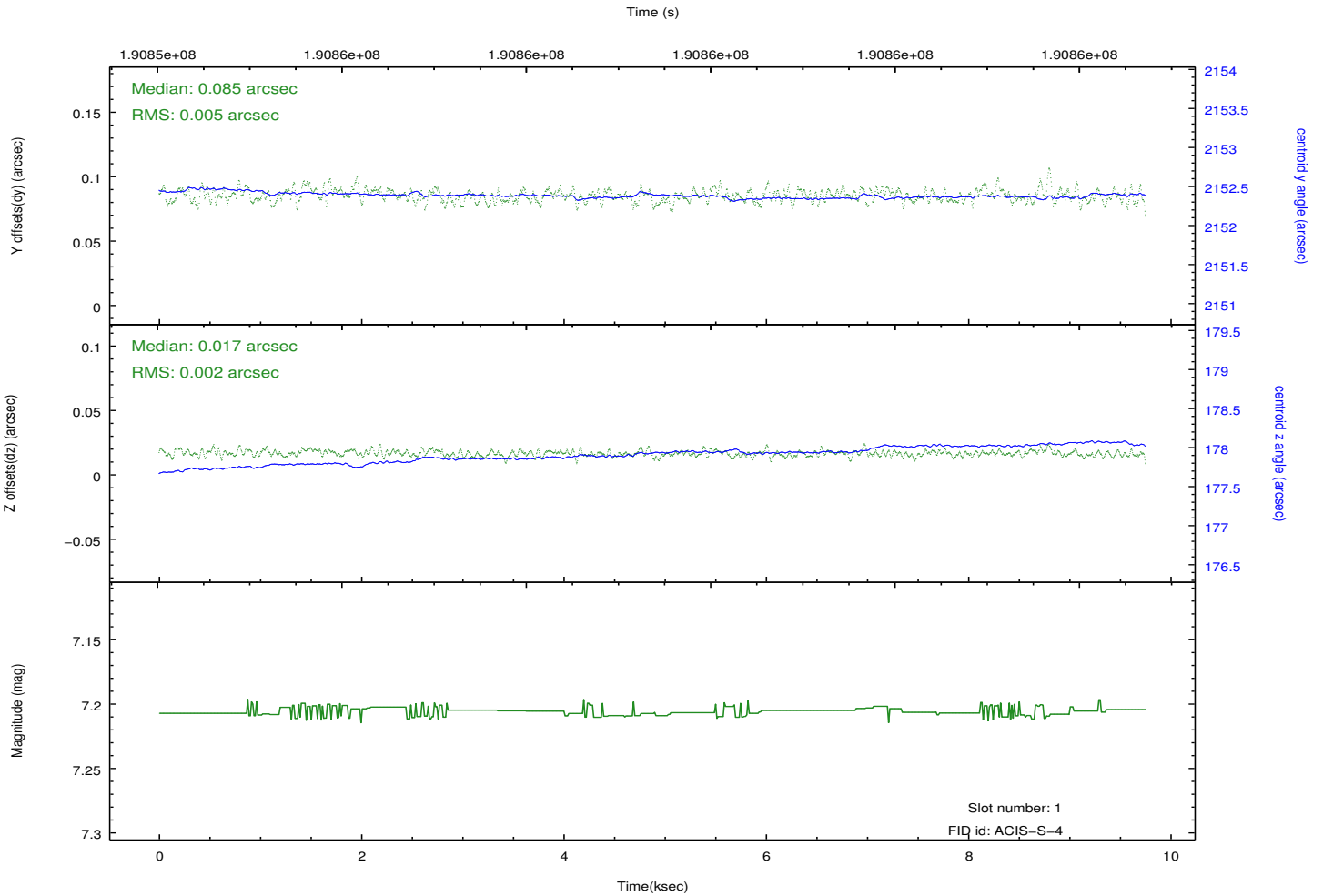
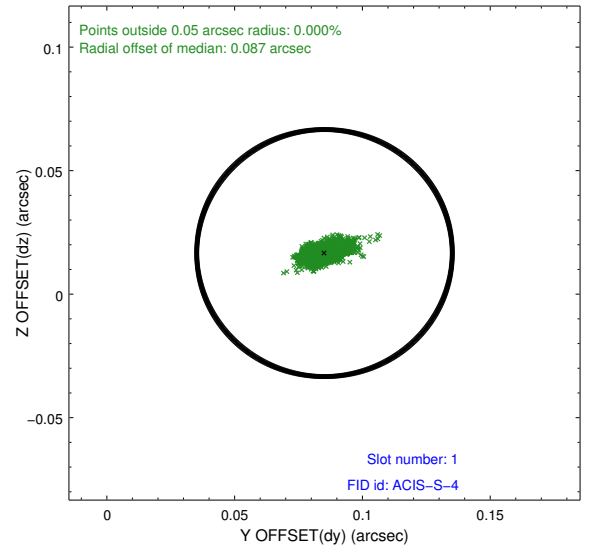
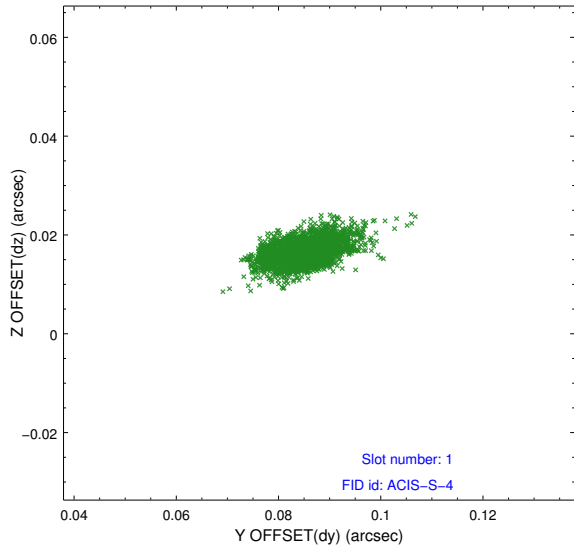


2.5 FID Slots

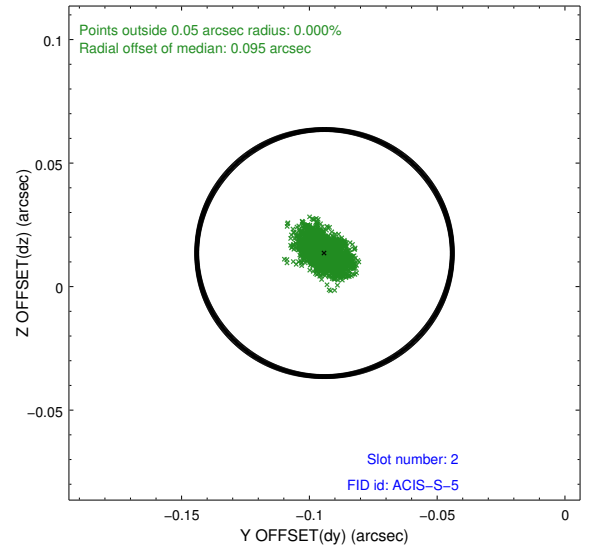
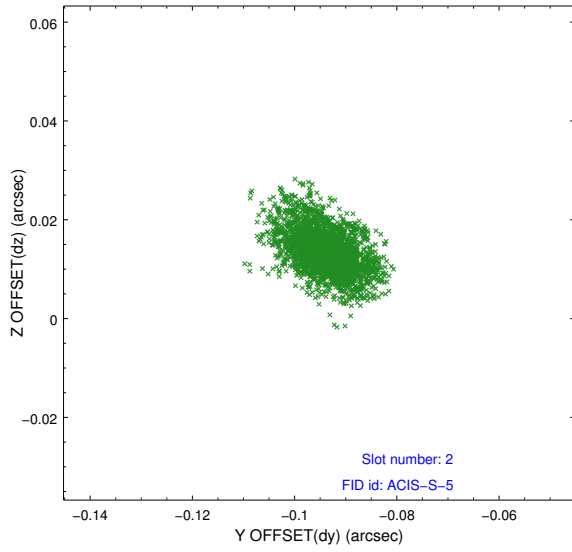
2.5.1 Slot 0



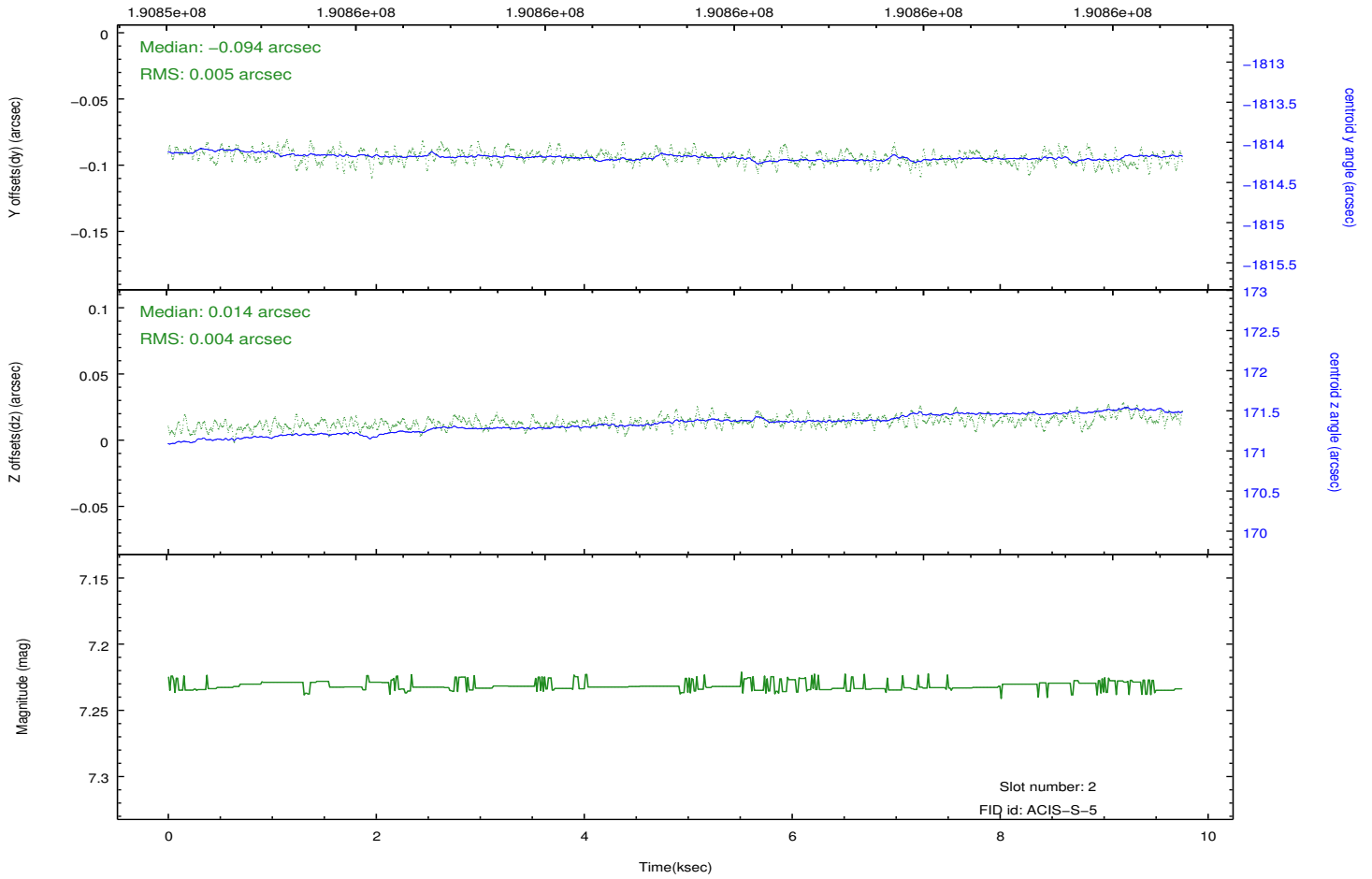
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.755

A.2 Comments