

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18760 - L2 Version 1
Chandra X-Ray Center

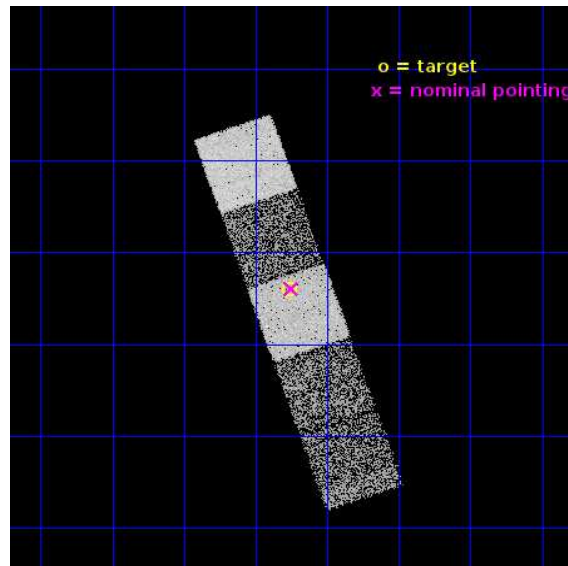
L2 Processing Date : Feb 6 2016

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1 Front

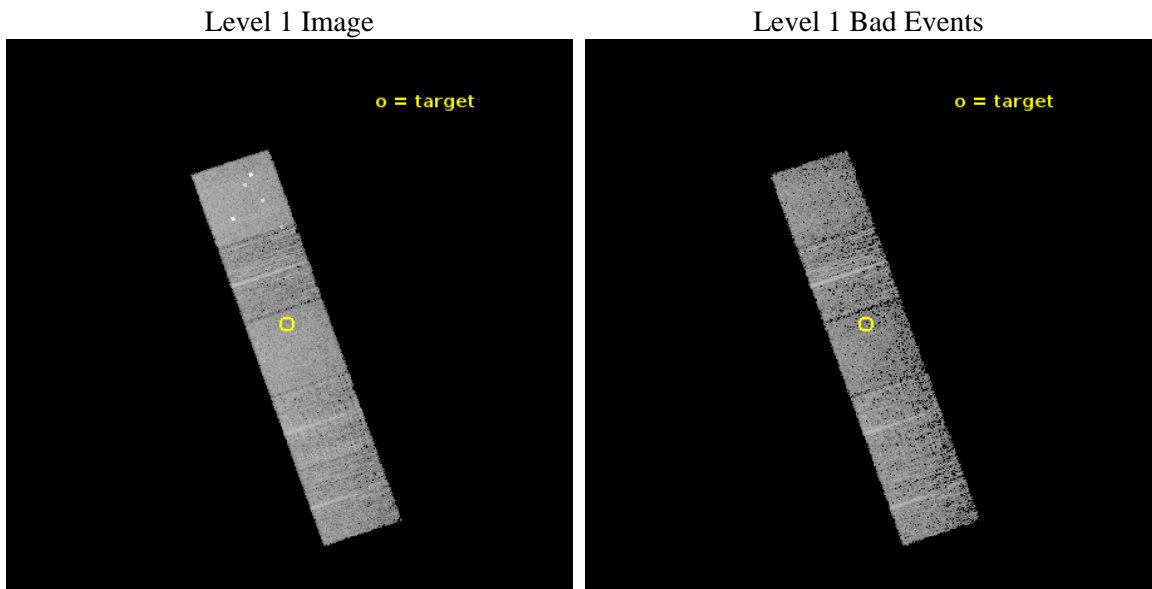
seq_num	502661	Sequence number
obs_id	18760	Observation id
title	The Young Type IIP Supernova ASASSN-16at	Proposal title
observer	Dirk Grupe	Principal investigator
object	ASASSN 16at	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.814583	Observer's specified target RA [deg]
dec_targ	0.099861	Observer's specified target Dec [deg]
ra_nom	193.81234022287	Nominal RA [deg]
dec_nom	0.10073149473681	Nominal Dec [deg]
roll_nom	70.98179409961	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5025.1000387669	Sum of GTIs [s]
livetime	4959.4434073355	Livetime [s]
ontime5	5025.1000387669	Sum of GTIs [s]
ontime6	5025.1000387669	Sum of GTIs [s]
ontime7	5025.1000387669	Sum of GTIs [s]
ontime8	5025.1000387669	Sum of GTIs [s]
ontime9	5025.1000387669	Sum of GTIs [s]
l2events	47215	Number of level 2 events



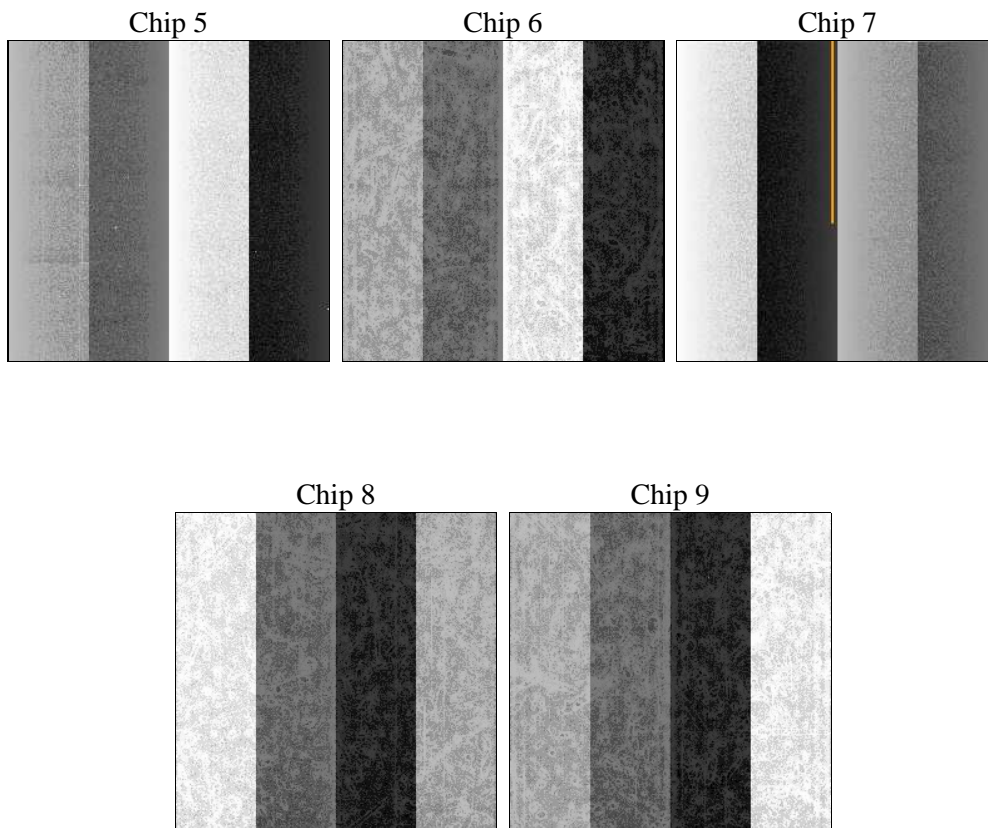
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	5025.1000387669	Sum of GTIs [s]
caldbver	4.7.0	 	ontime5	5025.1000387669	Sum of GTIs [s]
date	2016-02-06T19:36:33	Date and time of file creation	ontime6	5025.1000387669	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	5025.1000387669	Sum of GTIs [s]
			ontime8	5025.1000387669	Sum of GTIs [s]
			ontime9	5025.1000387669	Sum of GTIs [s]
			l1events	194289	Number of level 1 events

2.1.4 Events

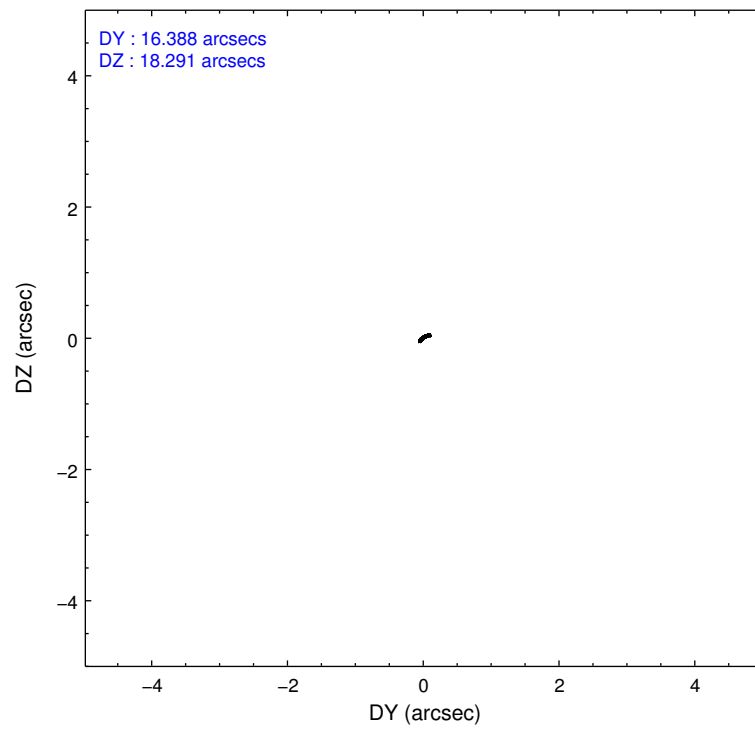
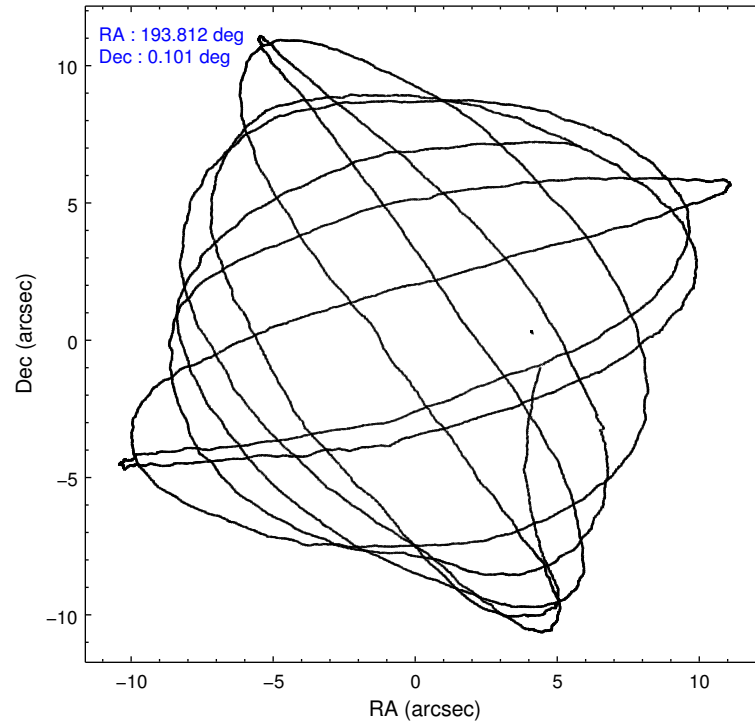
	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	52495	31474	39628	39735	30957
rejected events	25599	28034	23043	30008	27303
rejected %	48%	89%	58%	75%	88%

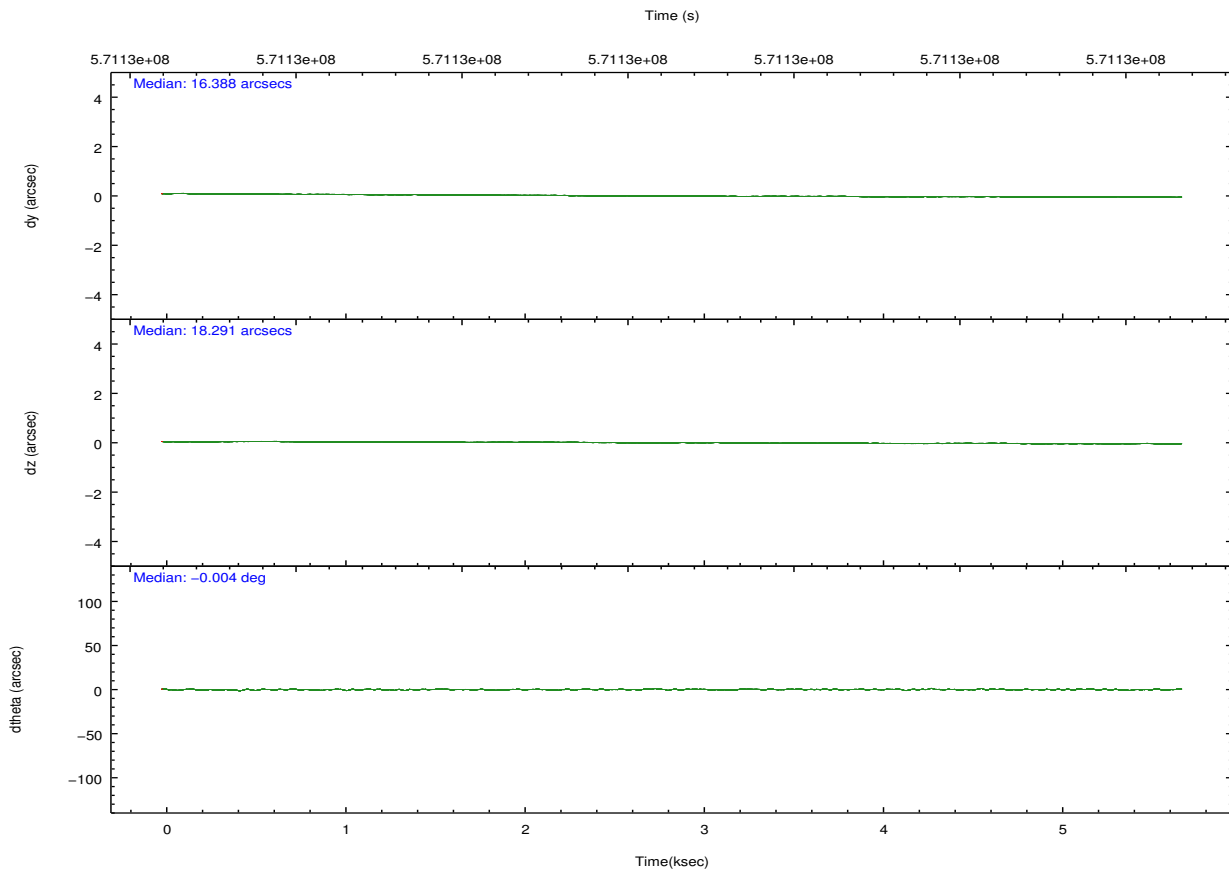
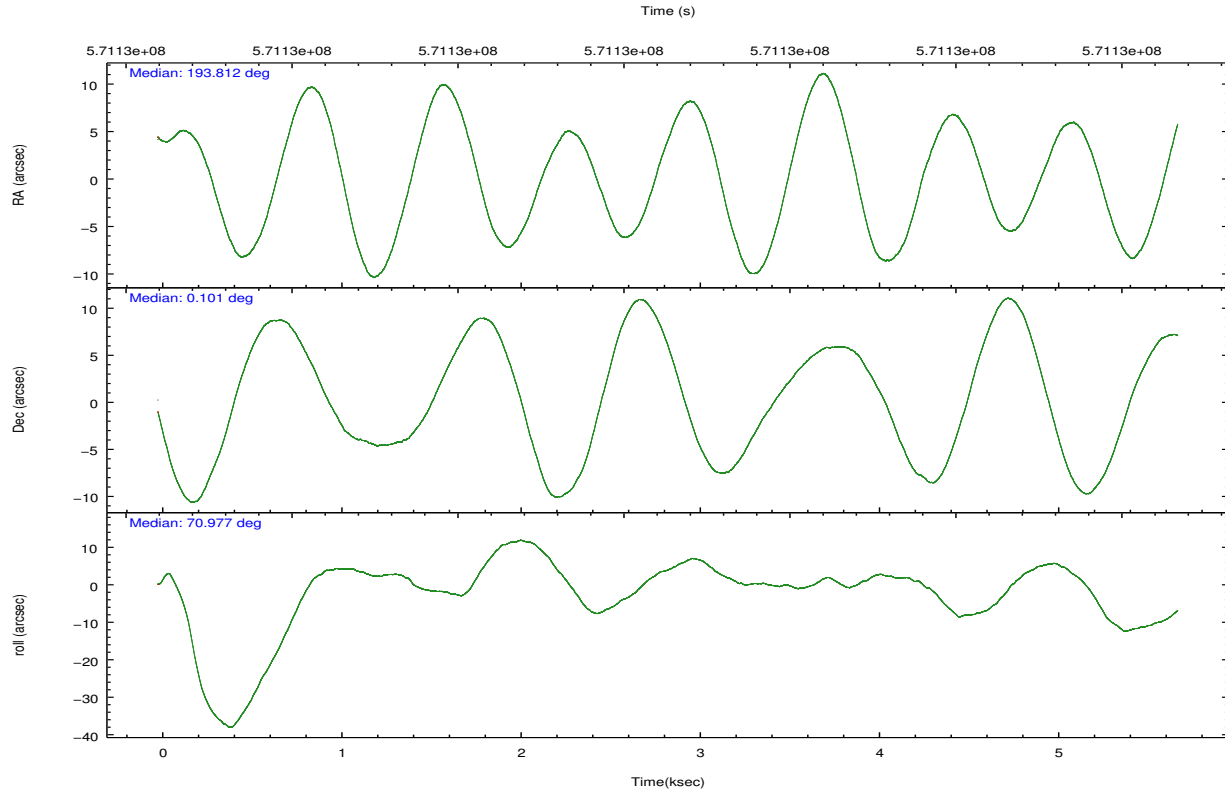
	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4876	1079	1352	2787	1227
	9%	3%	3%	7%	3%
grade 1 events	237	10	56	30	22
	0%	0%	0%	0%	0%
grade 2 events	7772	873	3478	2441	848
	14%	2%	8%	6%	2%
grade 3 events	750	293	1207	939	375
	1%	0%	3%	2%	1%
grade 4 events	715	310	1216	915	349
	1%	0%	3%	2%	1%
grade 5 events	3158	1342	3656	2112	1546
	6%	4%	9%	5%	4%
grade 6 events	12817	891	9350	2652	862
	24%	2%	23%	6%	2%
grade 7 events	22170	26676	19313	27859	25728
	42%	84%	48%	70%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-56789	ACIS-56789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	193.817961	193.8123402228748	CCD I2 on	N	N
[deg] Pointing Dec	0.073926	0.1007314947368128	CCD I3 on	N	N
[deg] Pointing Roll	70.825161	70.98179409960981	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	571129113.184000	571127922.10537	CCD S5 on	O2	Y
Observation start date	2016-02-06T06:57:25	2016-02-06T06:38:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	571134113.184000	571134848.03076	On-chip summing requested	N	N
Observation end date	2016-02-06T08:20:45	2016-02-06T08:34:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



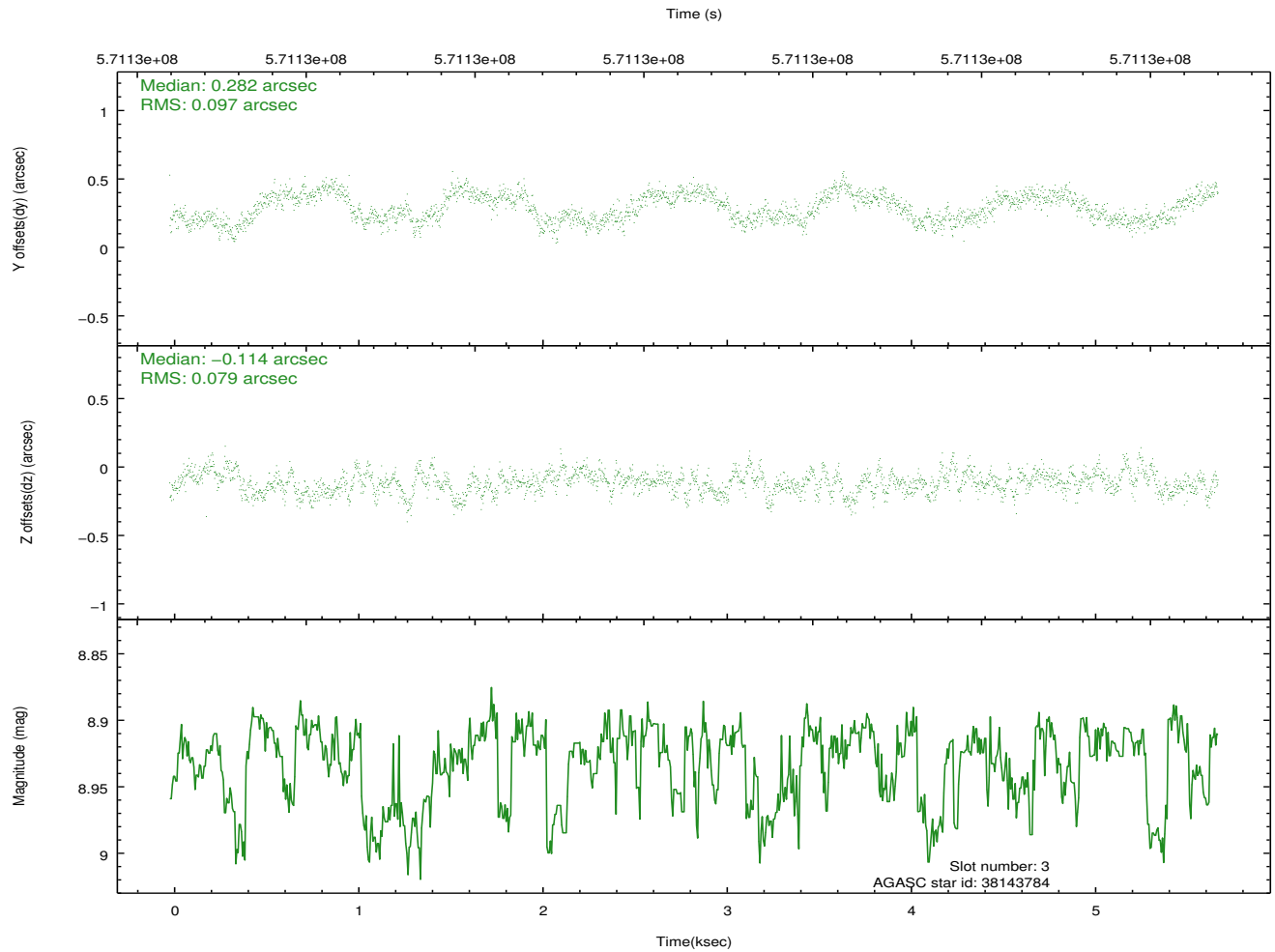
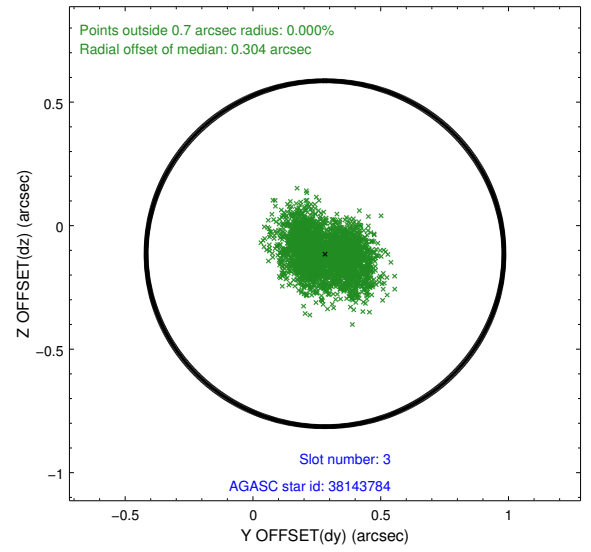
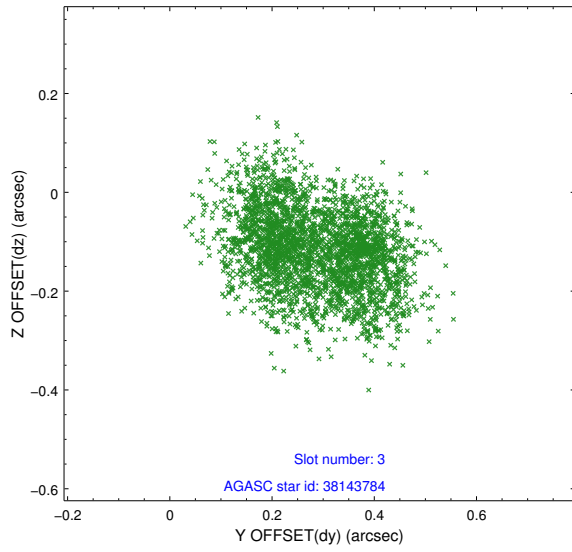


Slot Statistics

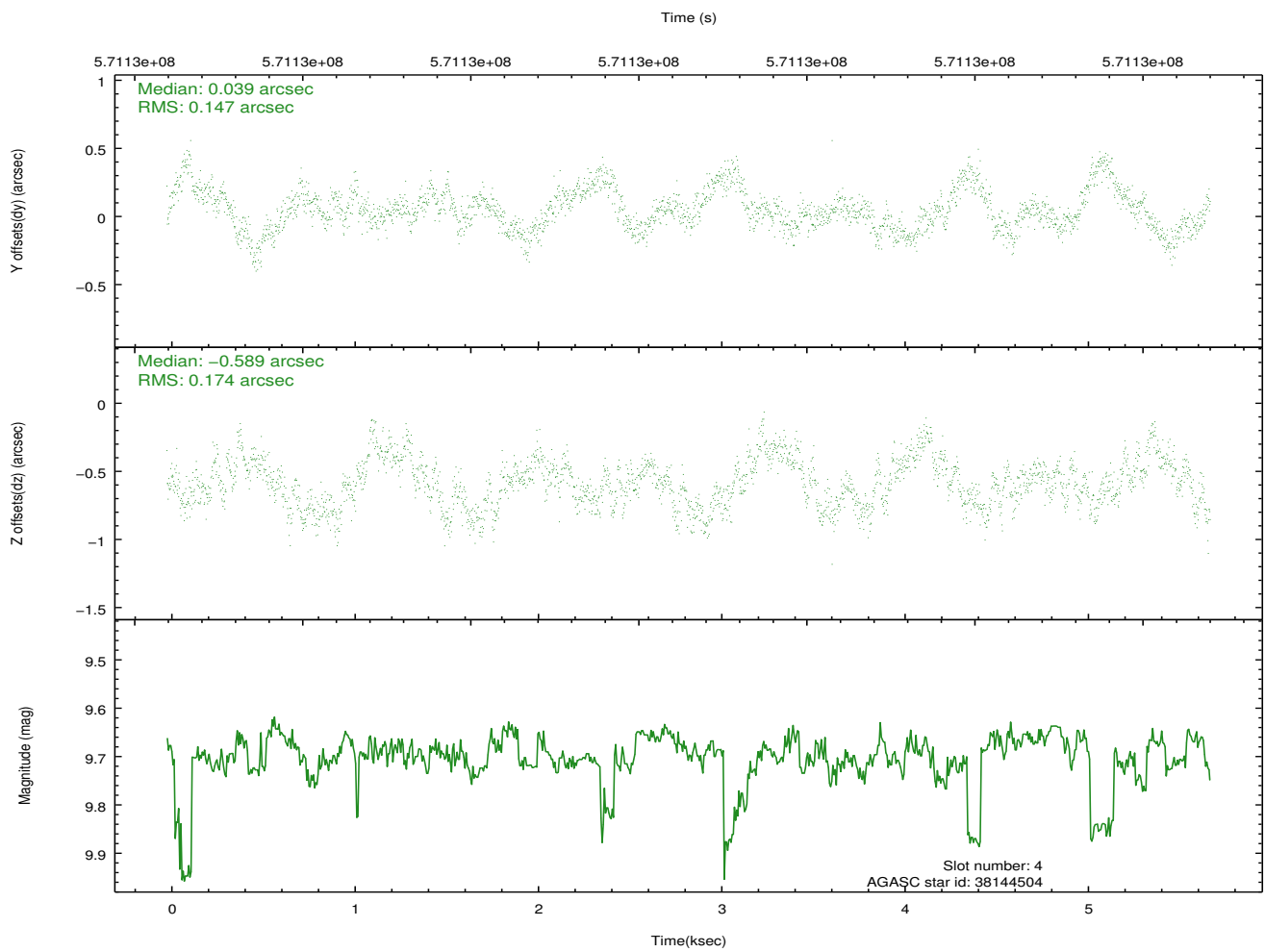
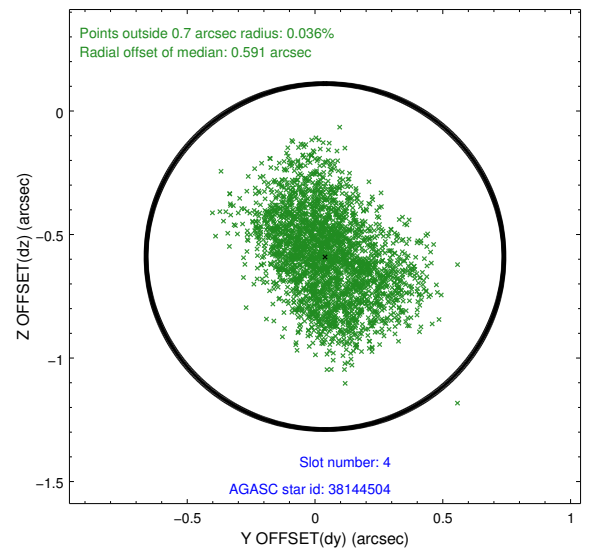
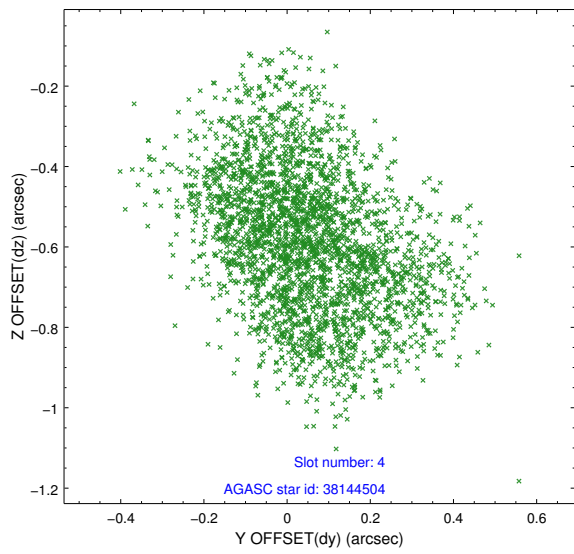
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	1389	-0.170	-0.167	0.007	0.011	0.000000	0.000000	-769.58	-1739.87
1	FID		ACIS-S-4	7.26	1389	0.447	0.127	0.005	0.010	0.000000	0.000000	2143.84	167.80
2	FID		ACIS-S-5	7.27	1389	-0.307	0.049	0.007	0.012	0.000000	0.000000	-1821.21	162.60
3	GUIDE	used	38143784	8.93	2774	0.282	-0.114	0.134	0.207	193.400187	0.111428	-365.75	1464.77
4	GUIDE	used	38144504	9.70	2768	0.039	-0.589	0.250	0.388	193.269844	0.333739	234.12	2173.06
5	GUIDE	used	38146984	9.83	2758	-0.066	0.231	0.267	0.469	194.584711	0.324573	1759.77	-2309.60
6	GUIDE	used	38150232	10.13	2738	-0.019	0.062	0.285	0.503	194.037791	0.520940	1780.88	-219.22
7	GUIDE	used	38151360	10.02	2764	-0.230	0.386	0.267	0.494	194.503938	0.389551	1885.59	-1958.78

2.4 Star Slots

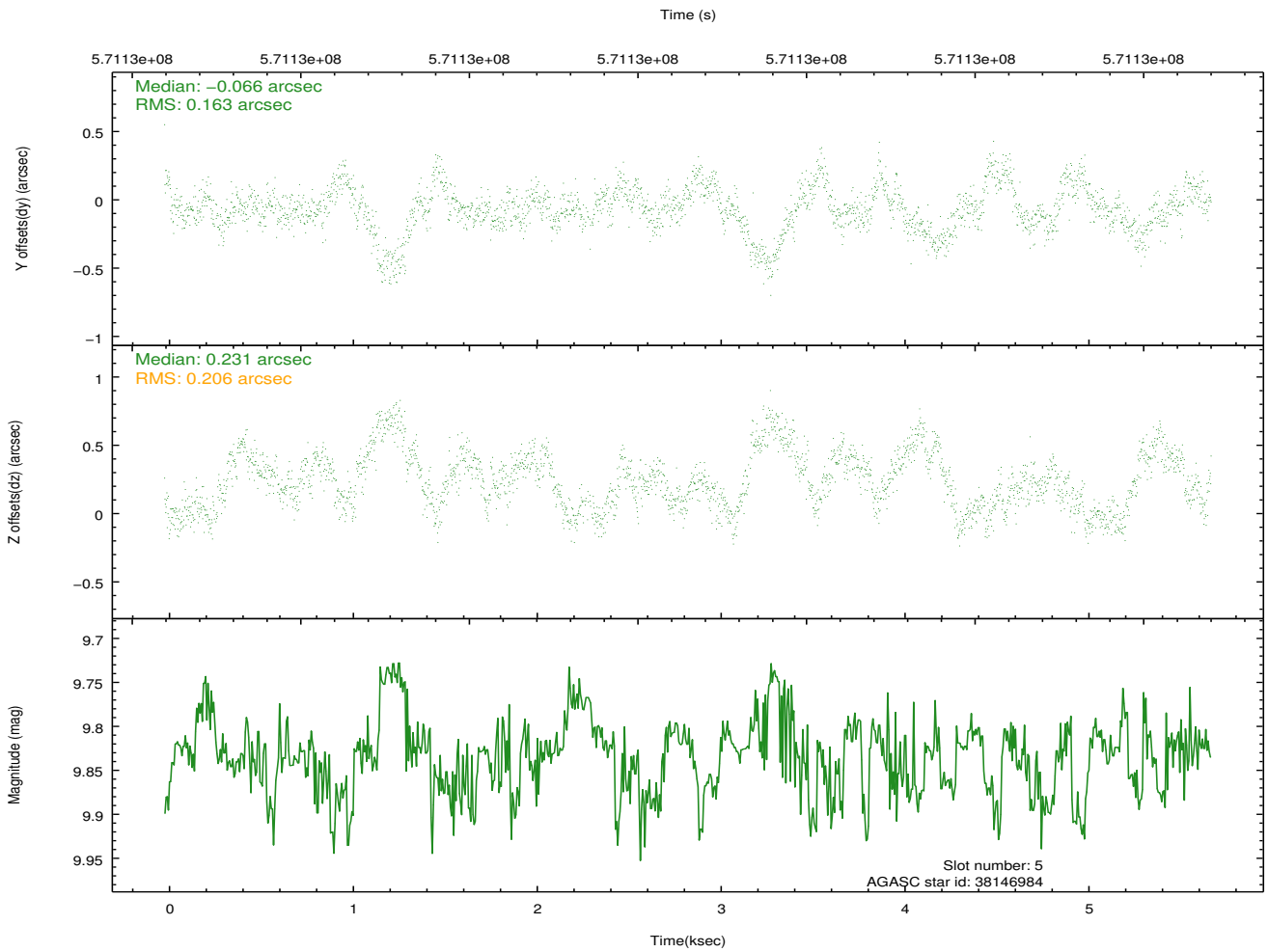
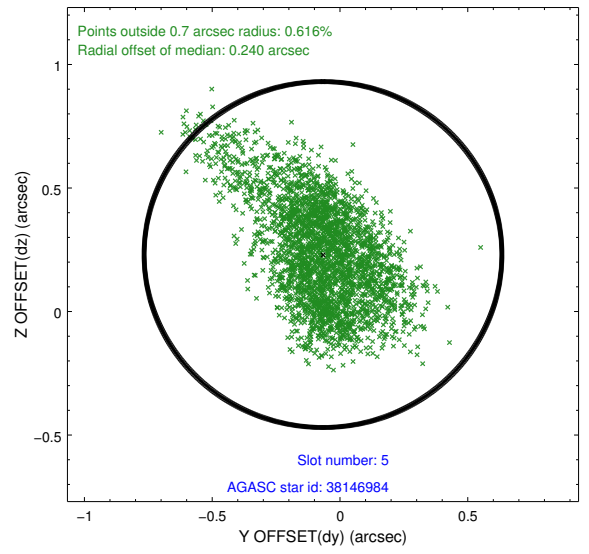
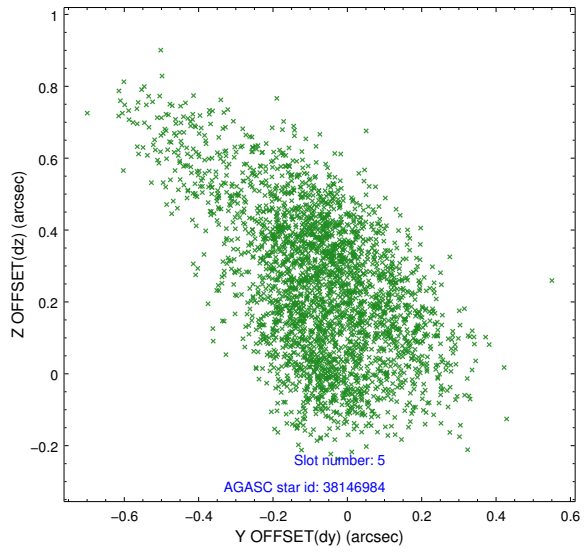
2.4.1 Slot 3



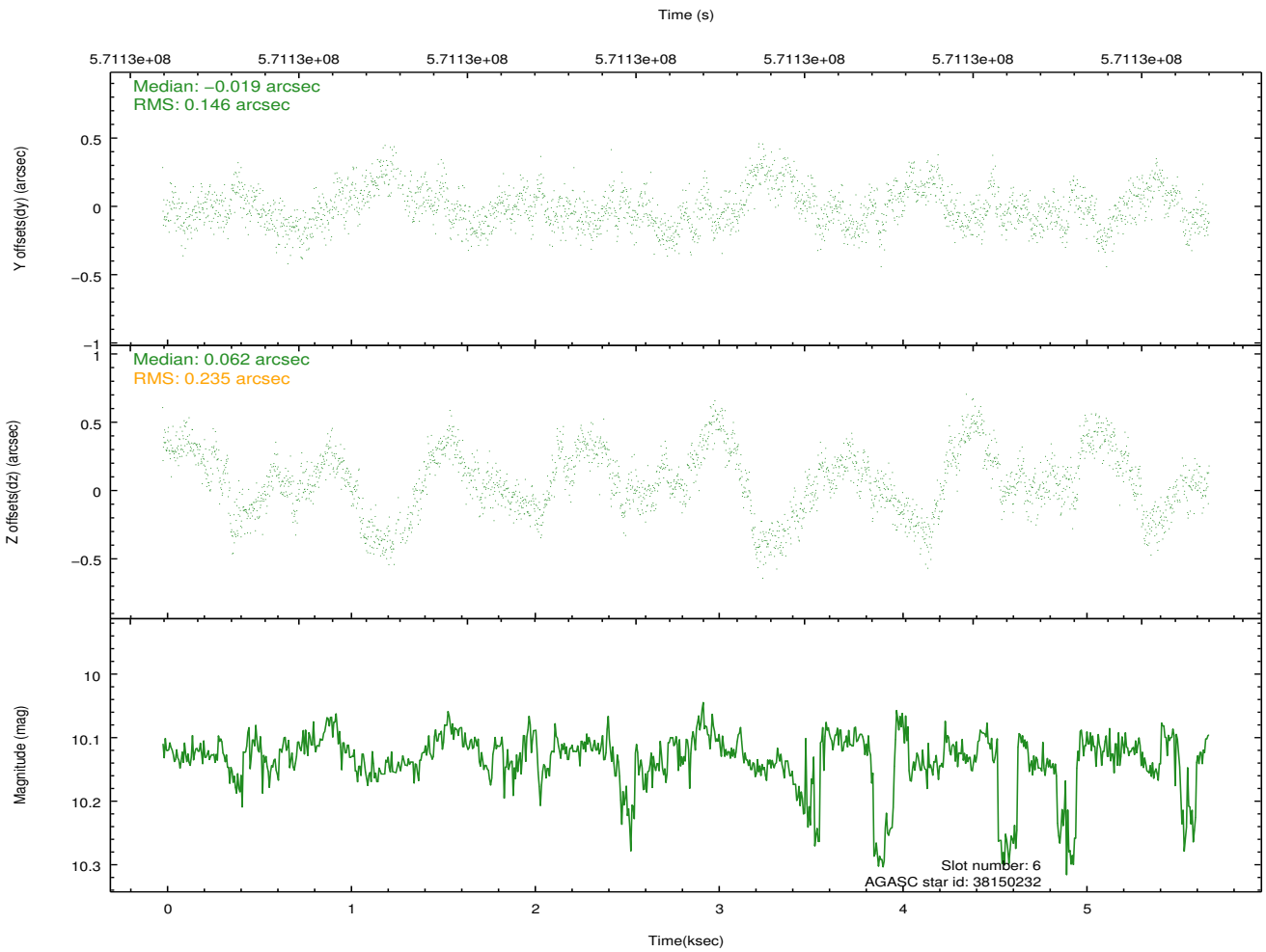
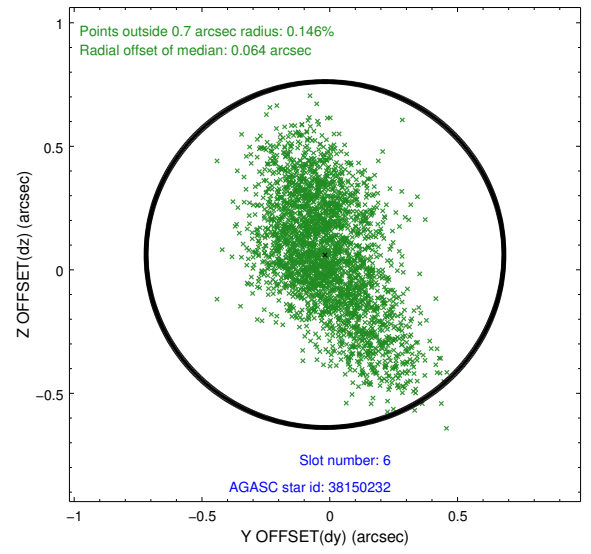
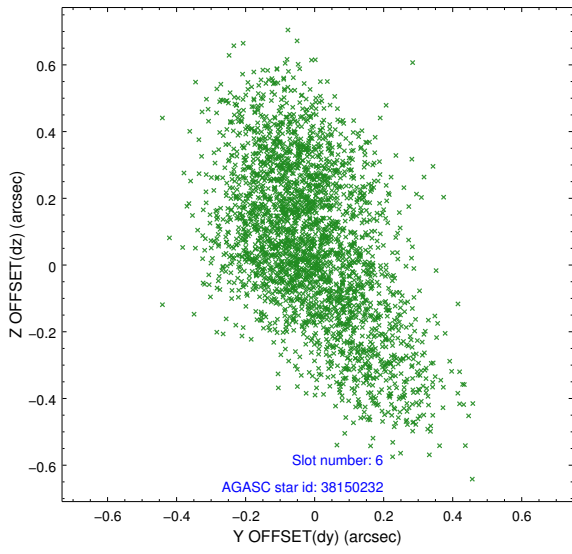
2.4.2 Slot 4



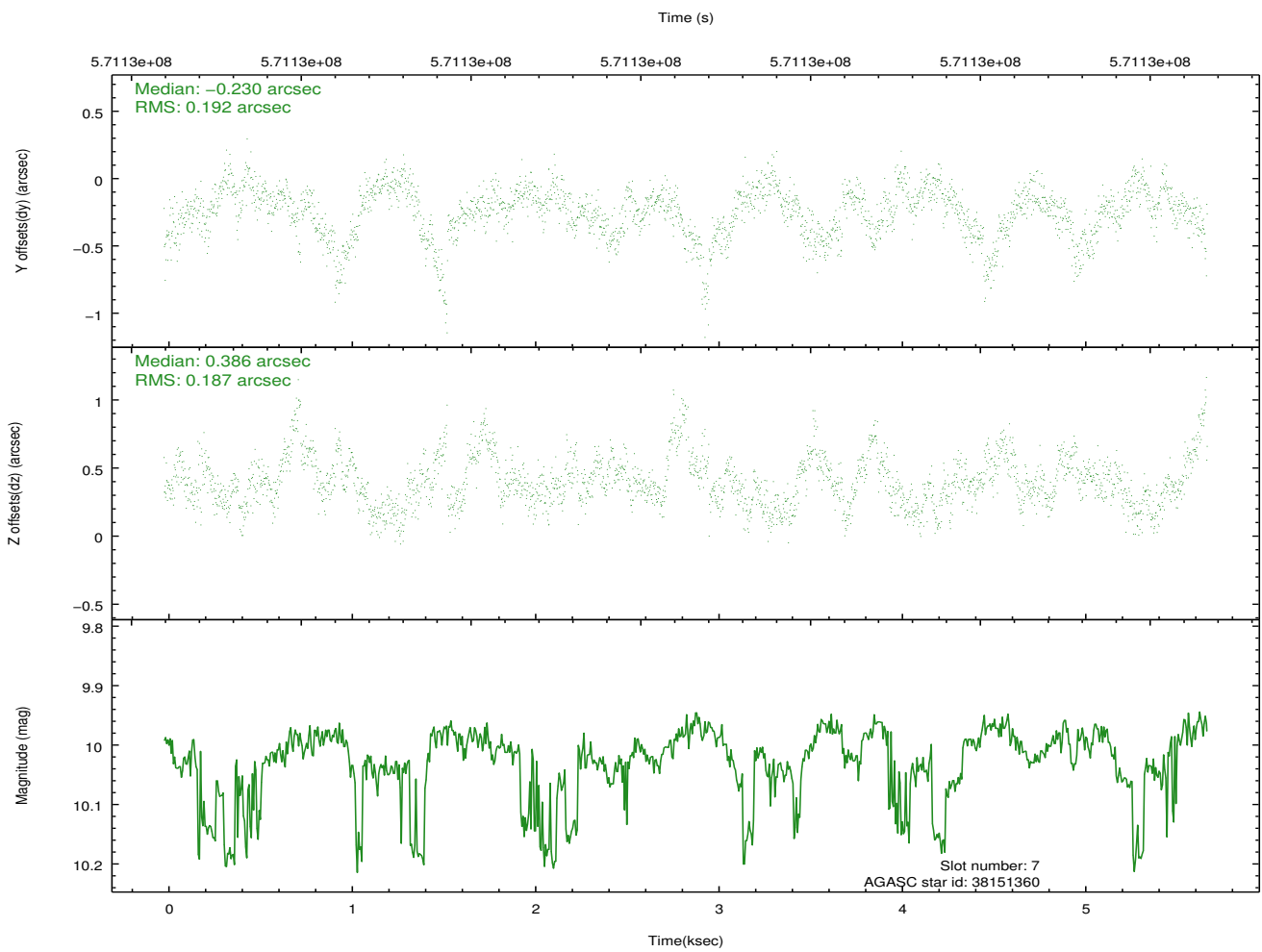
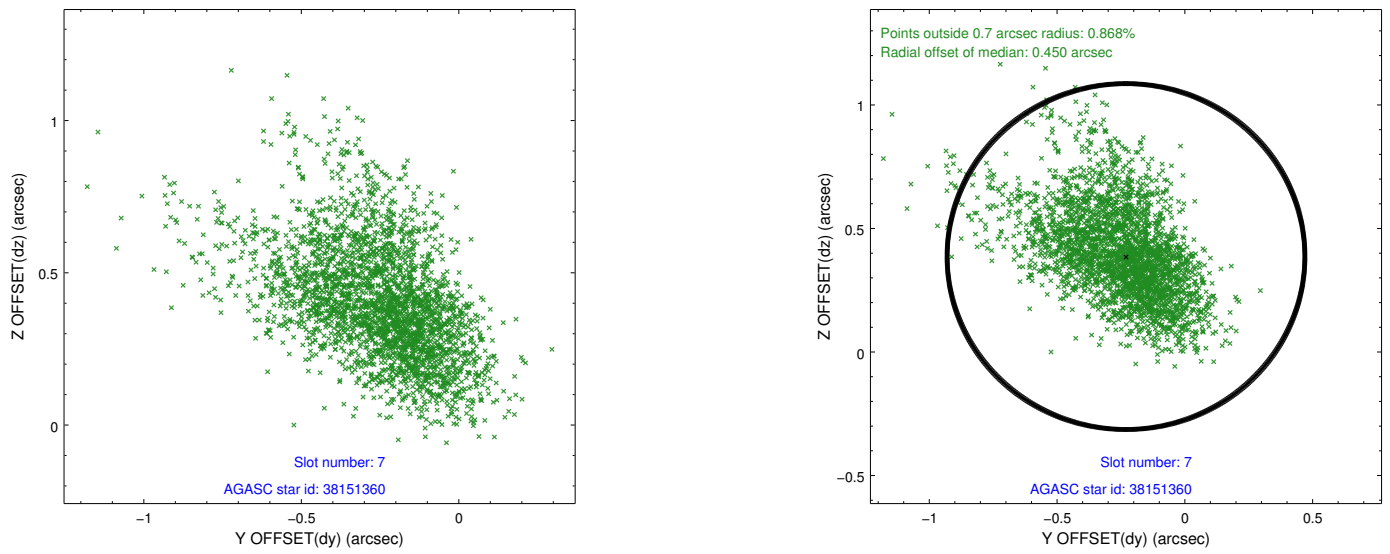
2.4.3 Slot 5



2.4.4 Slot 6

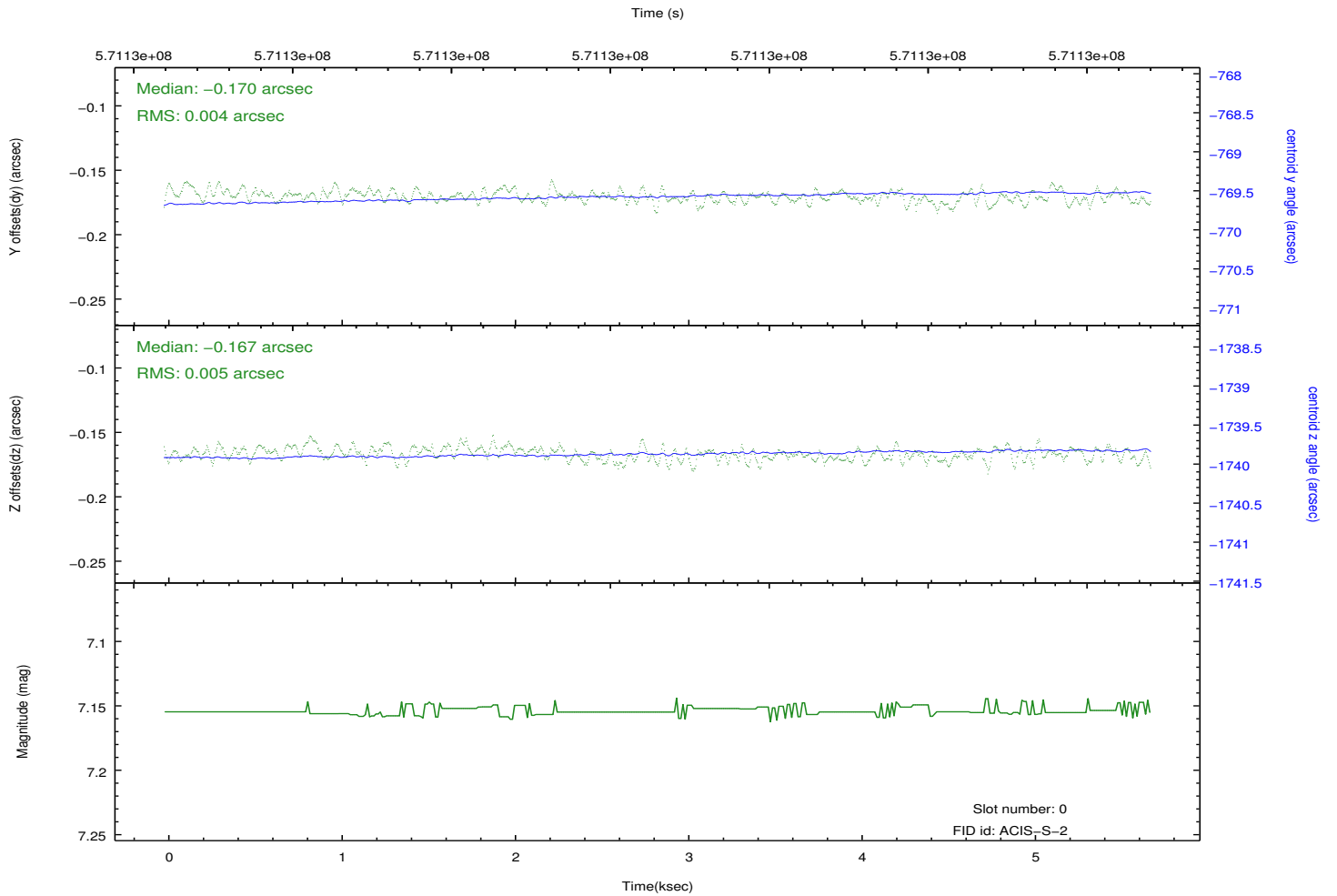
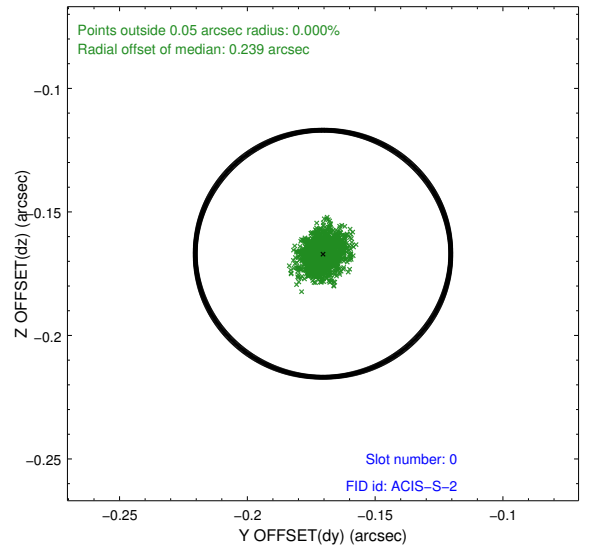
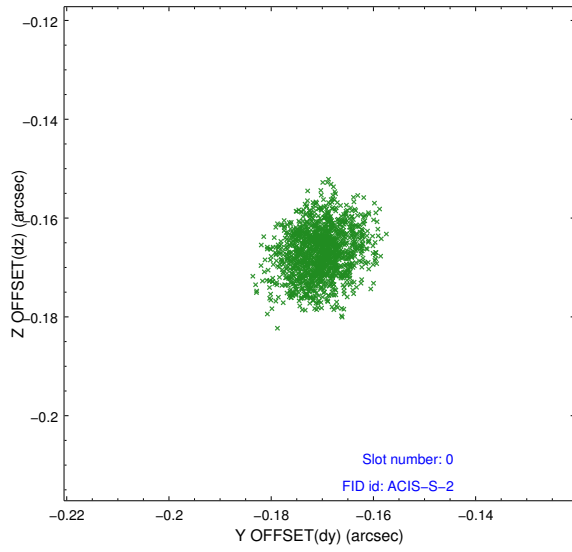


2.4.5 Slot 7

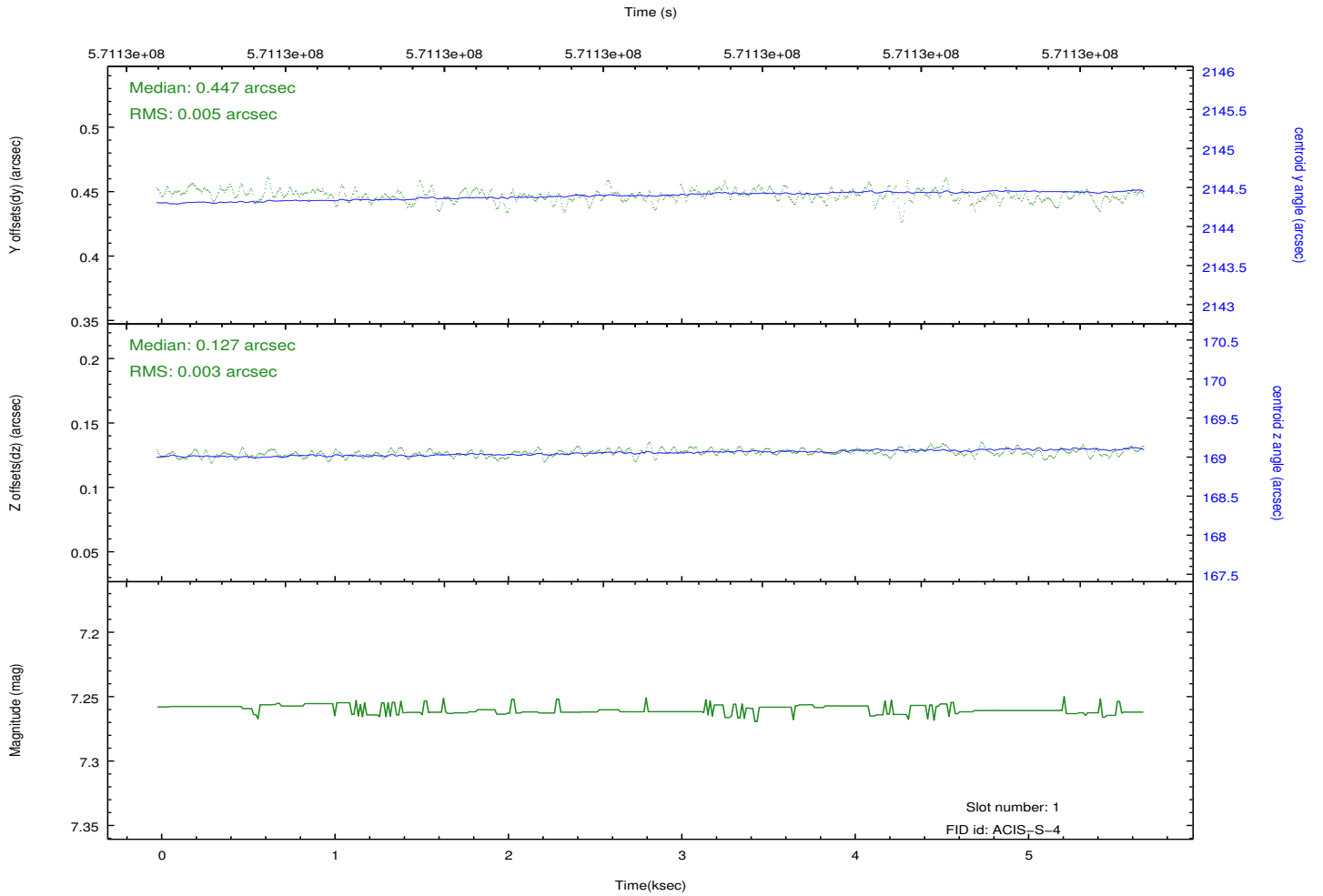
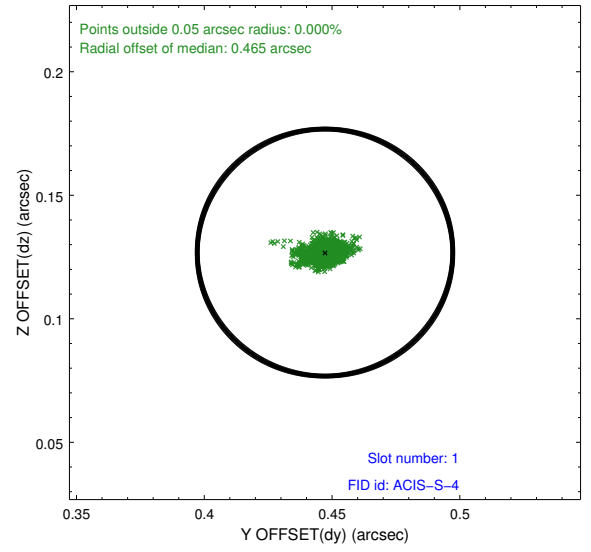
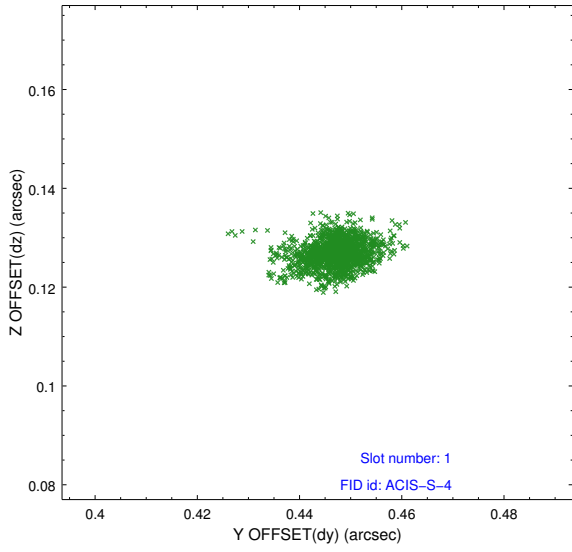


2.5 FID Slots

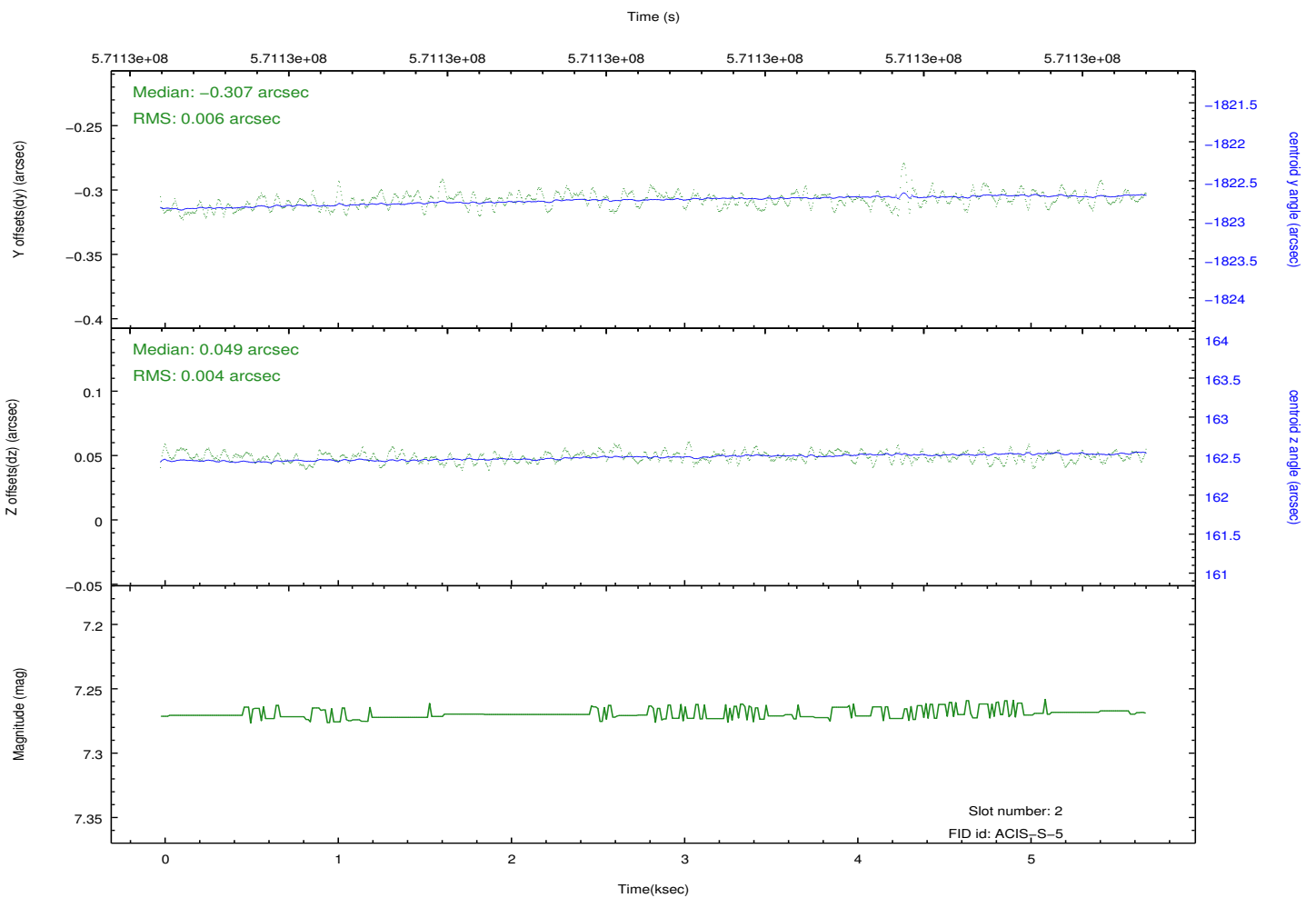
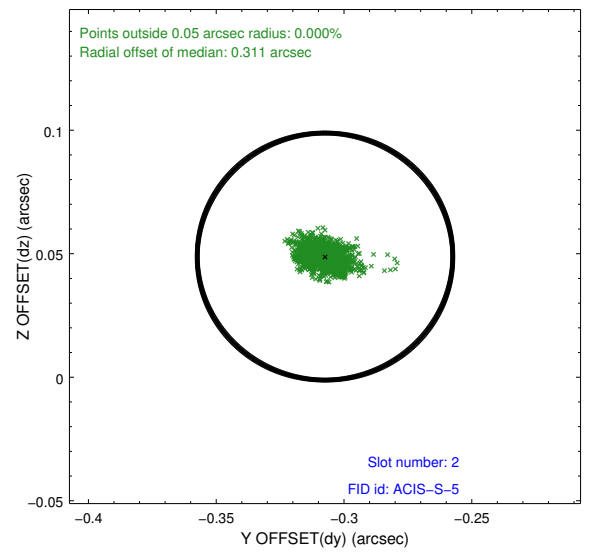
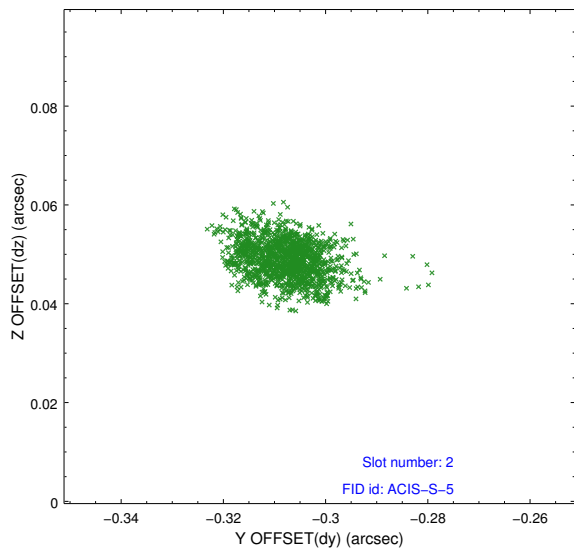
2.5.1 Slot 0



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)	2016.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0251000387669

A.2 Comments