

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18832 - L2 Version 1
Chandra X-Ray Center

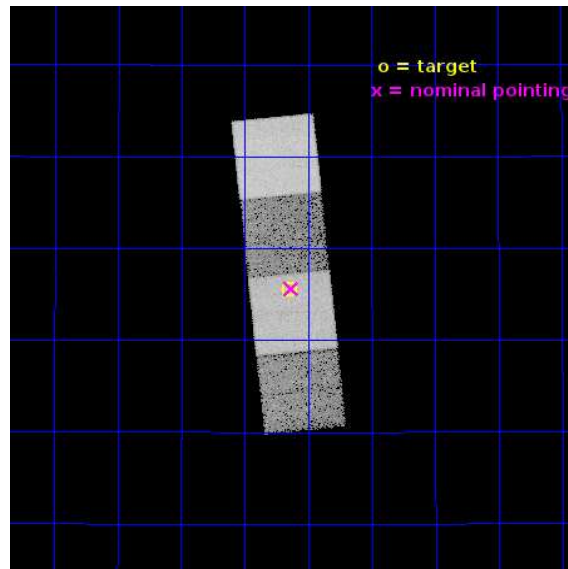
L2 Processing Date : Apr 29 2016

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1 Front

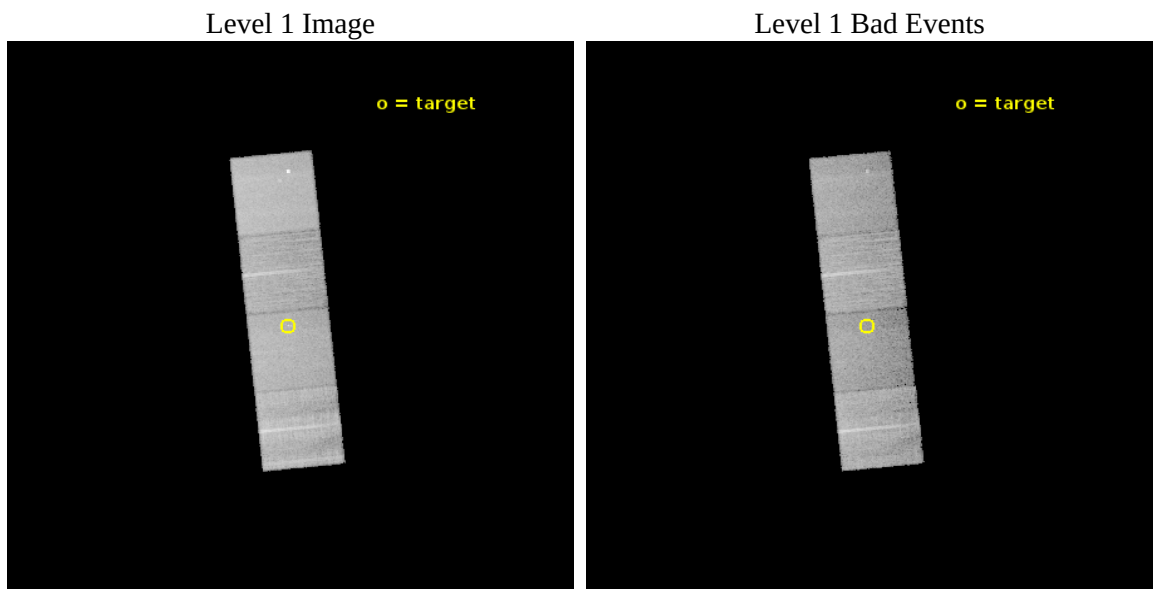
seq_num	703052	Sequence number
obs_id	18832	Observation id
title	Chandra observation of SDSS J2222+2745	Proposal title
observer	David Pooley	Principal investigator
object	SDSS J2222+2745	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	335.535833	Observer's specified target RA [deg]
dec_targ	27.759222	Observer's specified target Dec [deg]
ra_nom	335.53304311291	Nominal RA [deg]
dec_nom	27.760301140094	Nominal Dec [deg]
roll_nom	84.157918857332	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19566.782814384	Sum of GTIs [s]
livetime	19311.128392058	Livetime [s]
ontime5	19566.74177444	Sum of GTIs [s]
ontime6	19566.700734377	Sum of GTIs [s]
ontime7	19566.782814384	Sum of GTIs [s]
ontime8	19563.518734217	Sum of GTIs [s]
l2events	161067	Number of level 2 events



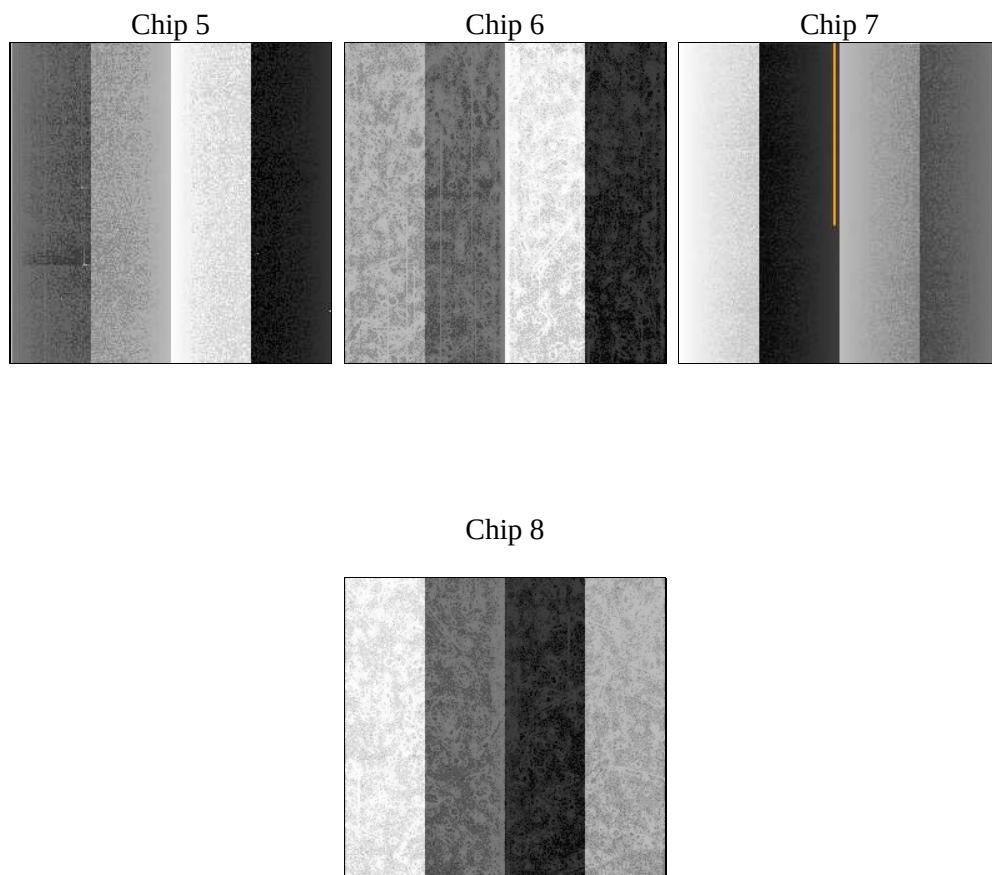
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19500.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	19566.782814384	Sum of GTIs [s]
caldbver	4.7.1	 	ontime5	19566.74177444	Sum of GTIs [s]
date	2016-04-30T02:34:04	Date and time of file creation	ontime6	19566.700734377	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	19566.782814384	Sum of GTIs [s]
			ontime8	19563.518734217	Sum of GTIs [s]
			l1events	543426	Number of level 1 events

2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	162757	110937	125601	144131
rejected events	79569	98211	65720	103254
rejected %	48%	88%	52%	71%

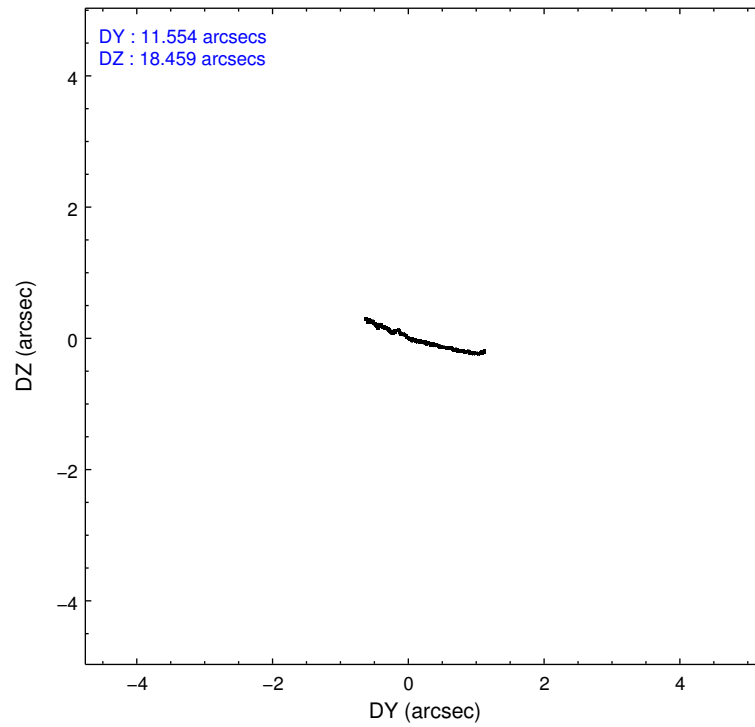
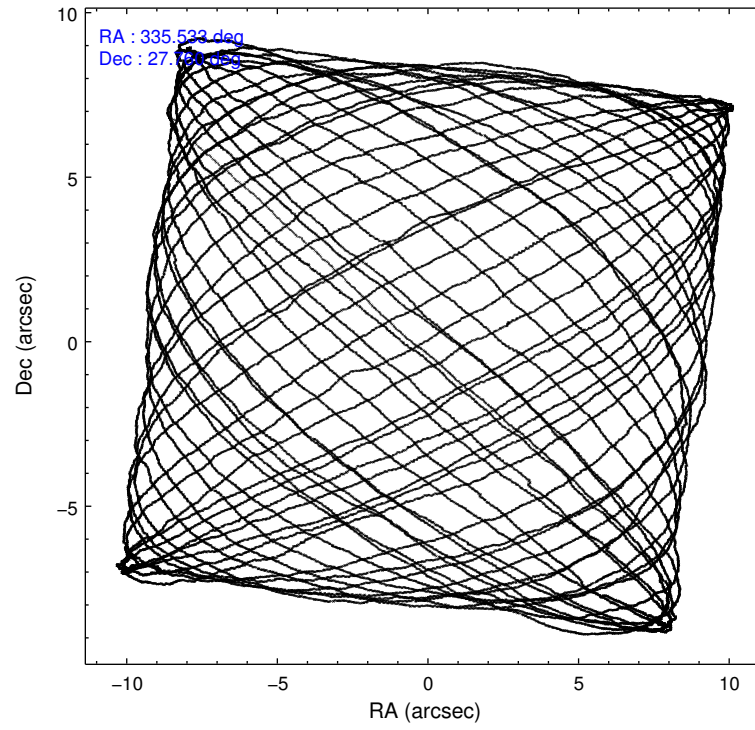
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6185	4397	5793	11257
	3%	3%	4%	7%
grade 1 events	379	58	207	104
	0%	0%	0%	0%
grade 2 events	27138	2994	13301	10085
	16%	2%	10%	6%
grade 3 events	2935	1264	5155	4331
	1%	1%	4%	3%
grade 4 events	2875	1336	5112	3916
	1%	1%	4%	2%
grade 5 events	12110	4771	13225	7268
	7%	4%	10%	5%
grade 6 events	44077	2741	30542	11310
	27%	2%	24%	7%
grade 7 events	67058	93376	52266	95860
	41%	84%	41%	66%

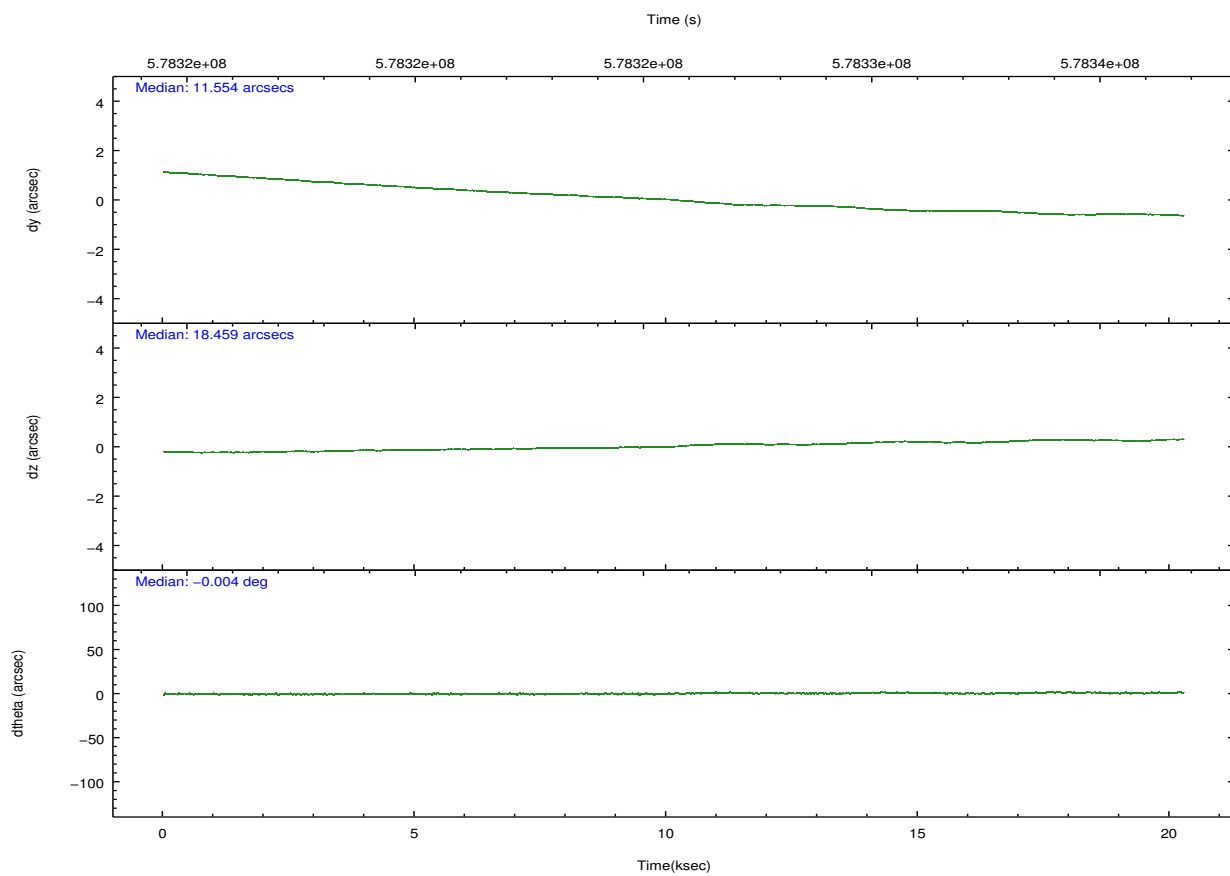
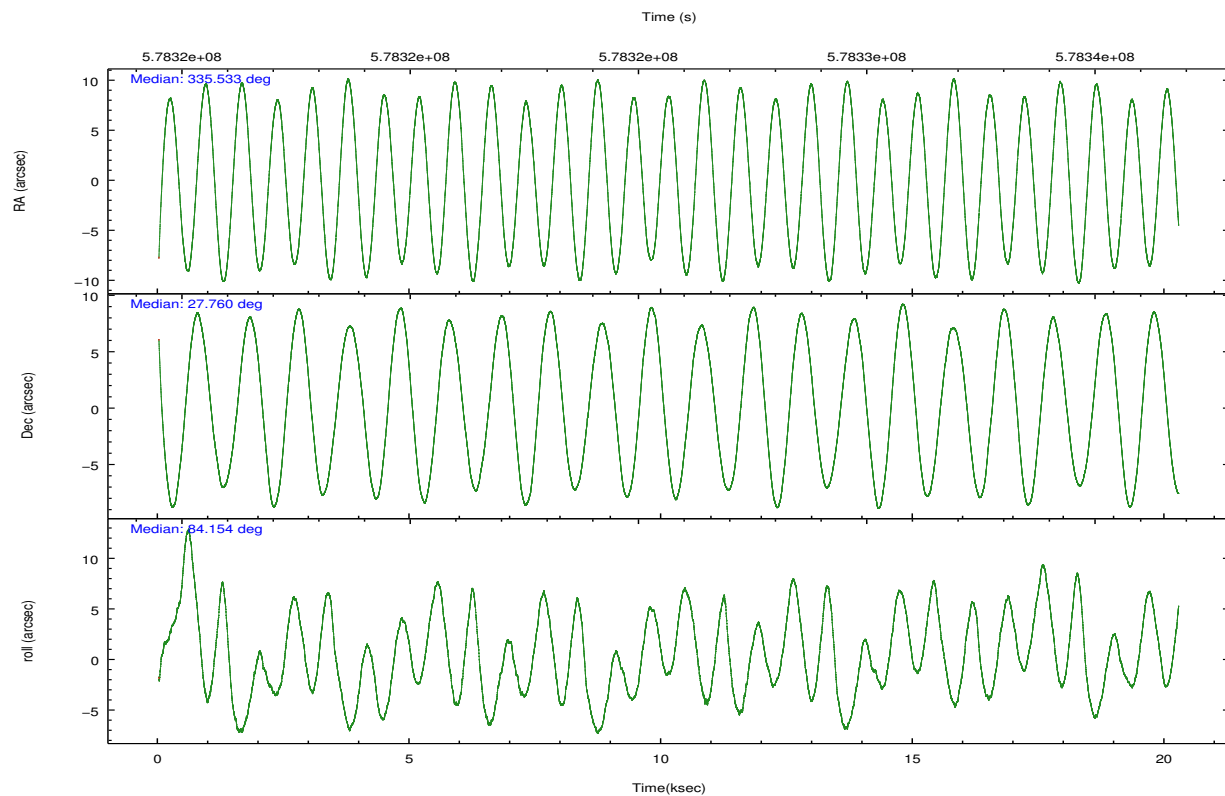
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-5678	ACIS-5678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	335.546084	335.5330431129057
[deg] Pointing Dec	27.735420	27.76030114009436
[deg] Pointing Roll	83.995224	84.15791885733179
[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)	578316314.184000	578314950.8258899
Observation start date	2016-04-29T11:24:06	2016-04-29T11:02:30
[s] Observation end time (MET)	578335814.184000	578337173.85216
Observation end date	2016-04-29T16:49:06	2016-04-29T17:12:53
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	N	N
CCD S0 on	N	N
CCD S1 on	O1	Y
CCD S2 on	O3	Y
CCD S3 on	Y	Y
CCD S4 on	O2	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



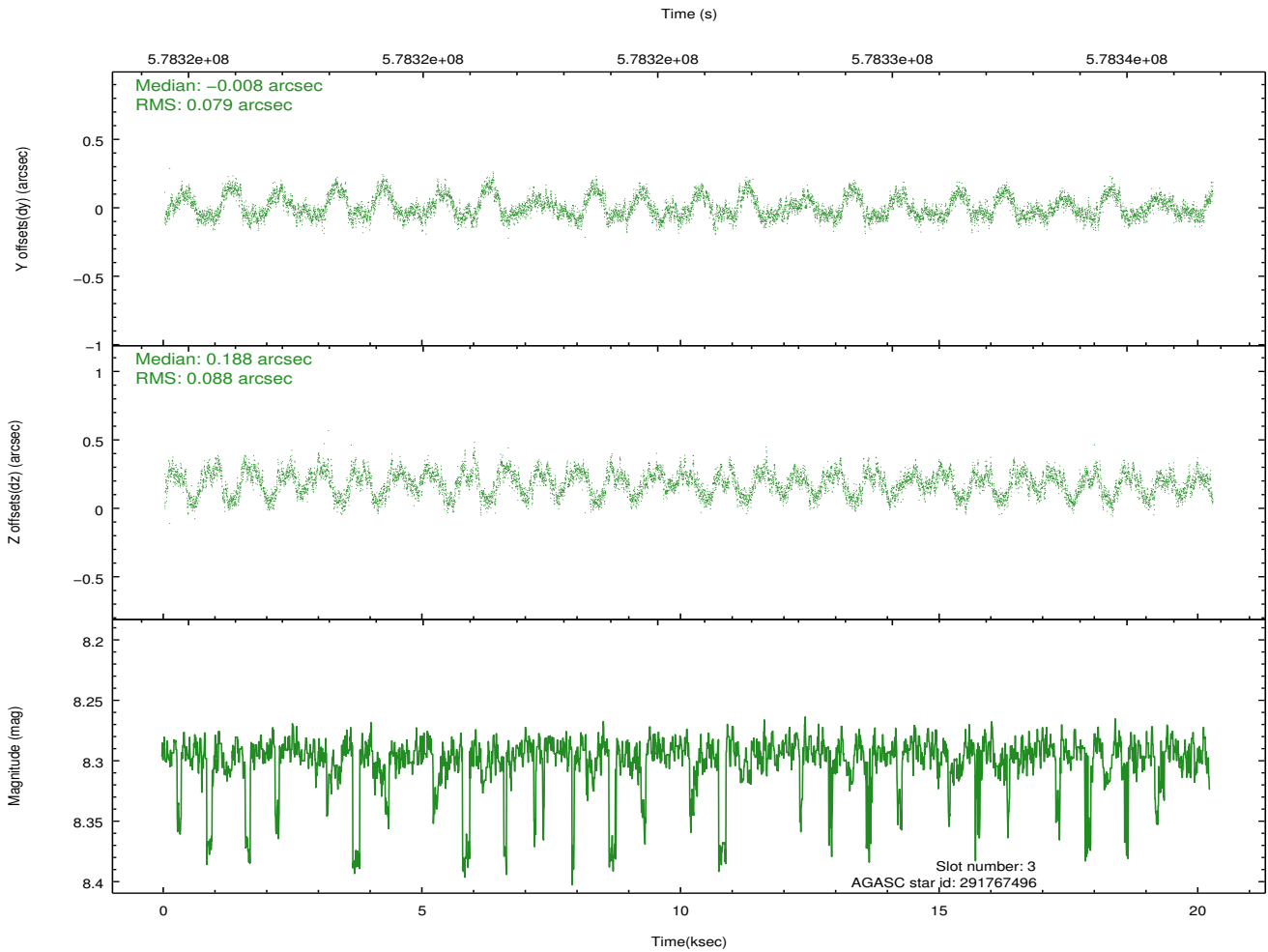
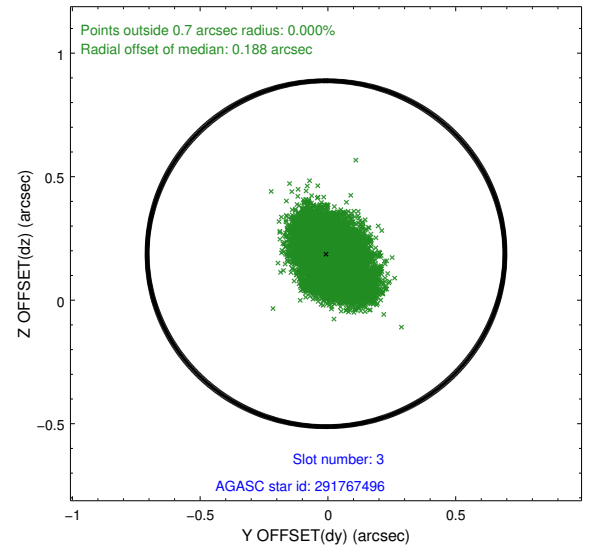
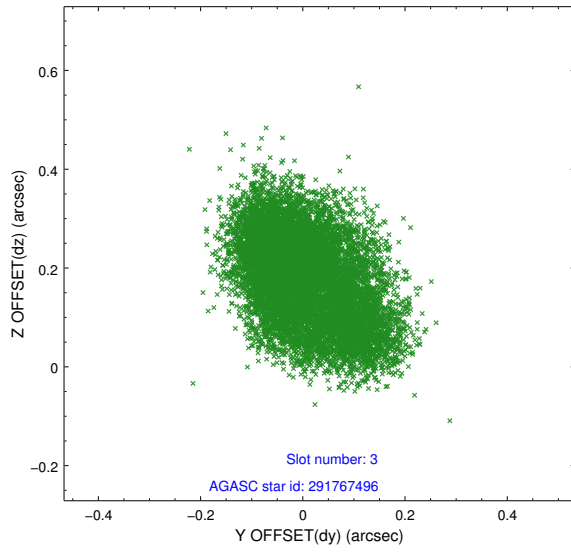


Slot Statistics

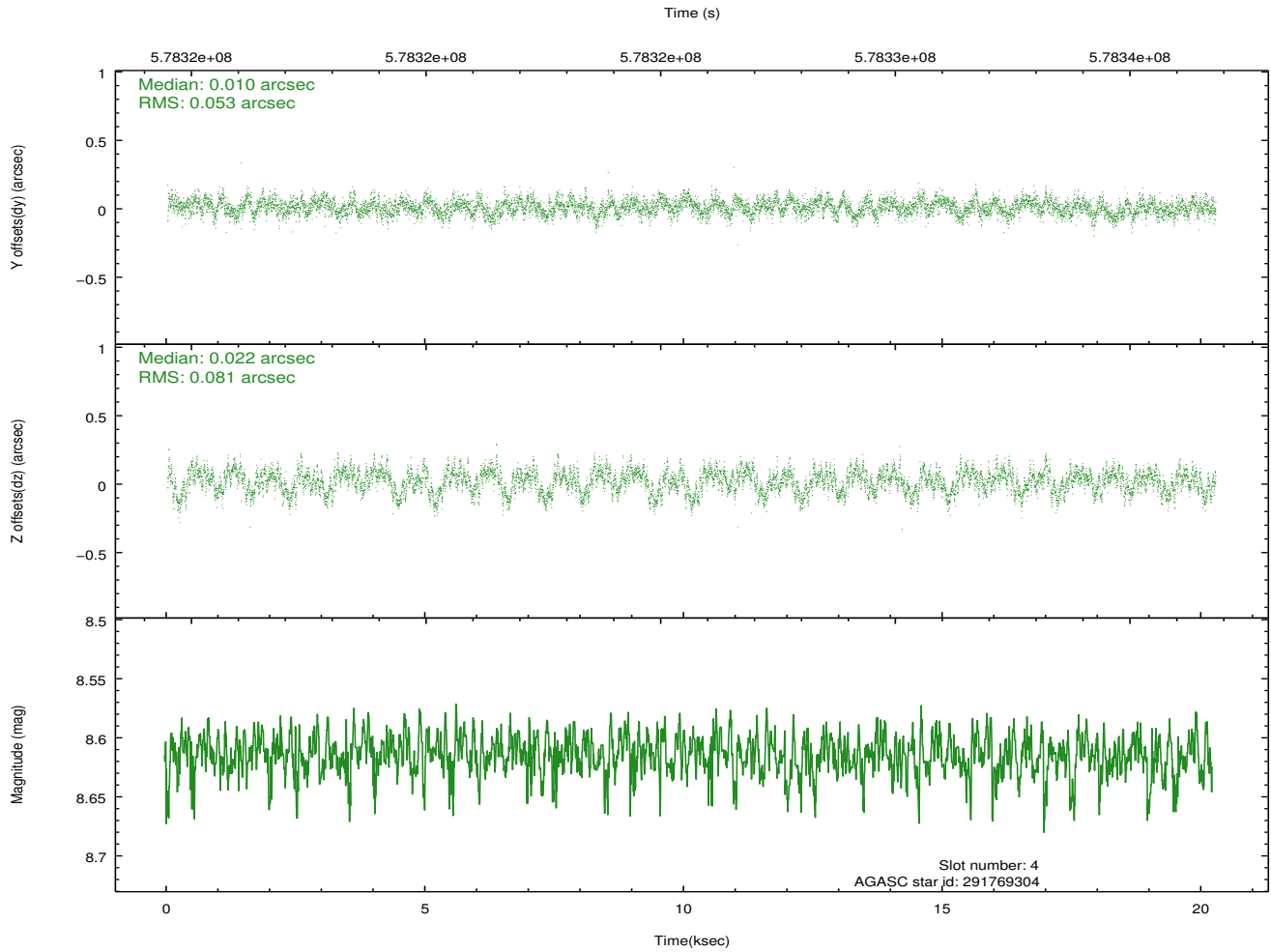
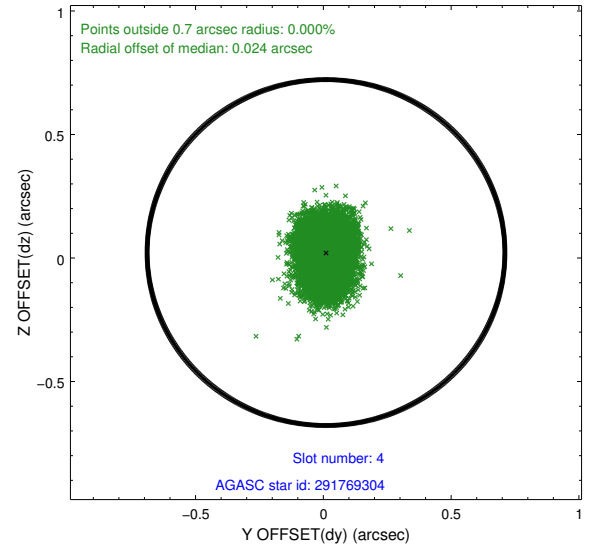
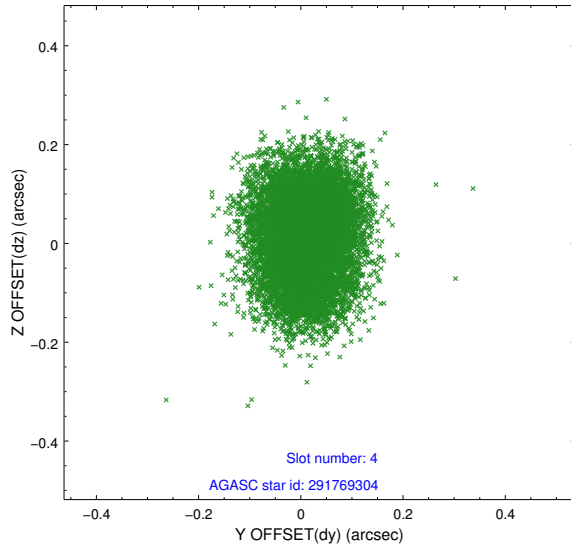
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.09	4943	-0.136	-0.102	0.015	0.023	0.000000	0.000000	-764.63	-1740.06
1	FID		ACIS-S-4	7.21	4943	0.374	0.093	0.008	0.021	0.000000	0.000000	2149.07	168.43
2	FID		ACIS-S-5	7.22	4942	-0.267	0.017	0.019	0.038	0.000000	0.000000	-1817.38	162.23
3	GUIDE	used	291767496	8.30	9884	-0.008	0.188	0.128	0.203	336.300393	27.656661	-22.39	-2420.36
4	GUIDE	used	291769304	8.61	9878	0.010	0.022	0.103	0.168	335.780535	27.119163	-2126.83	-978.83
5	GUIDE	used	291770056	8.97	9879	0.163	-0.045	0.115	0.188	336.088183	27.623117	-217.02	-1761.41
6	GUIDE	used	291773656	8.90	9880	0.047	0.067	0.097	0.152	335.935616	27.098750	-2146.57	-1480.89
7	GUIDE	used	291782488	9.38	9874	-0.222	-0.213	0.143	0.230	335.601335	27.992634	939.75	-78.18

2.4 Star Slots

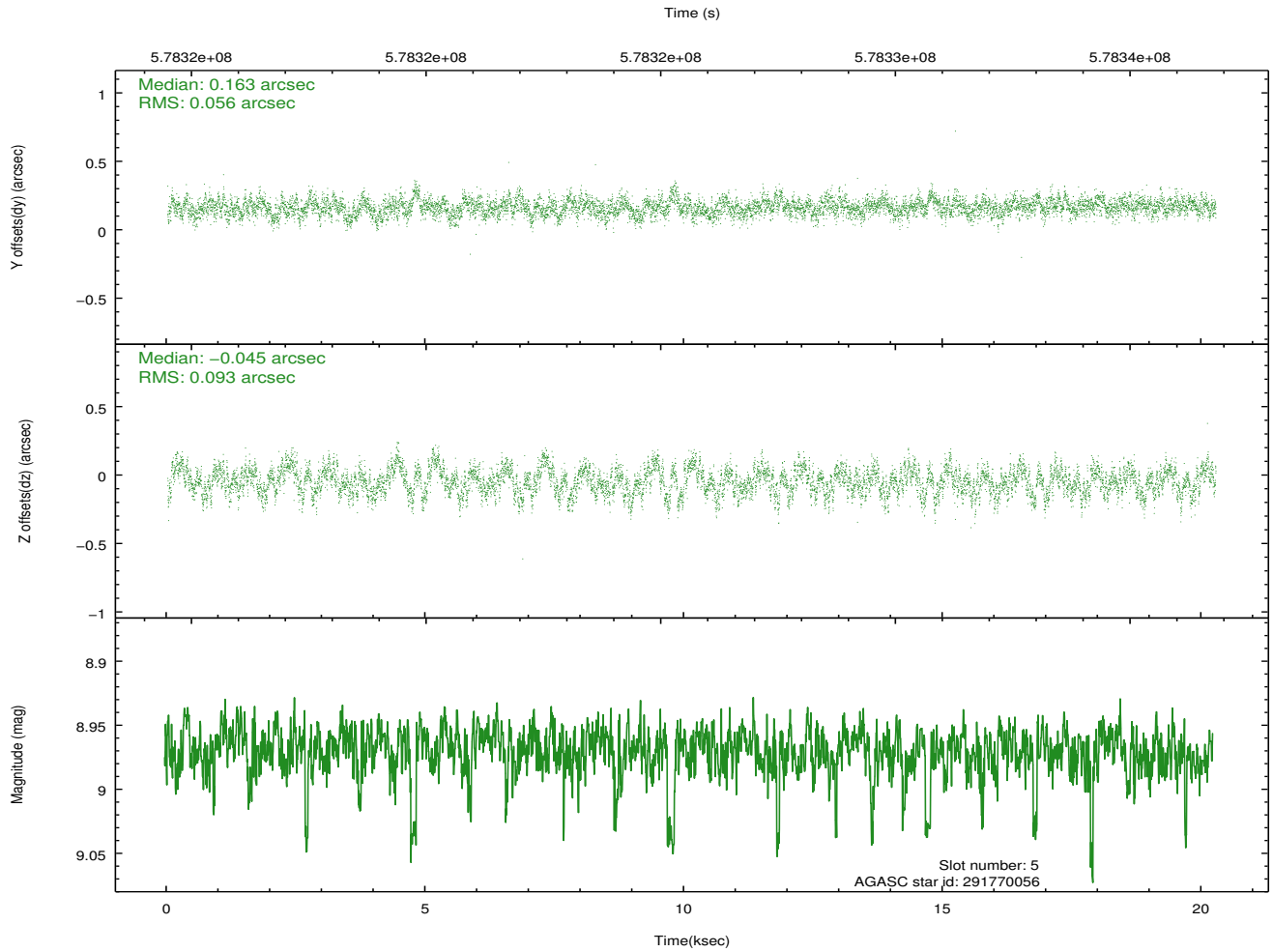
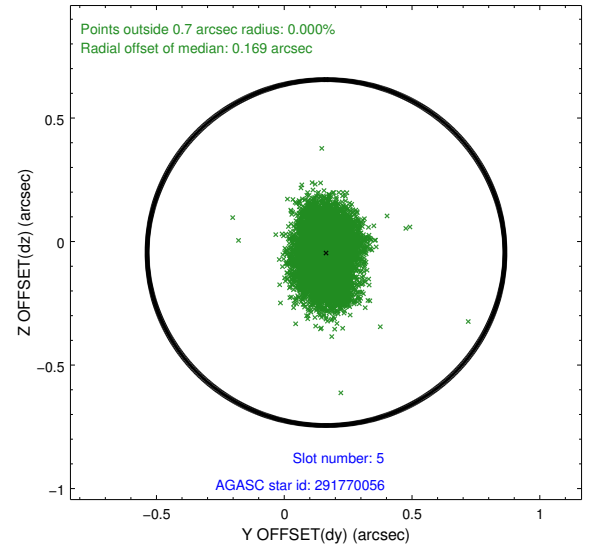
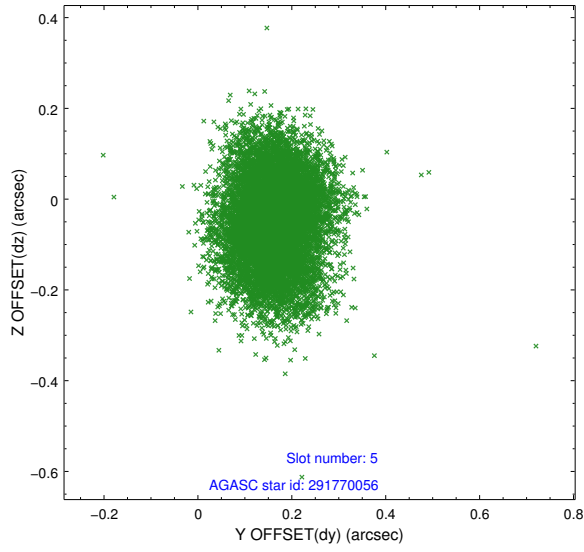
2.4.1 Slot 3



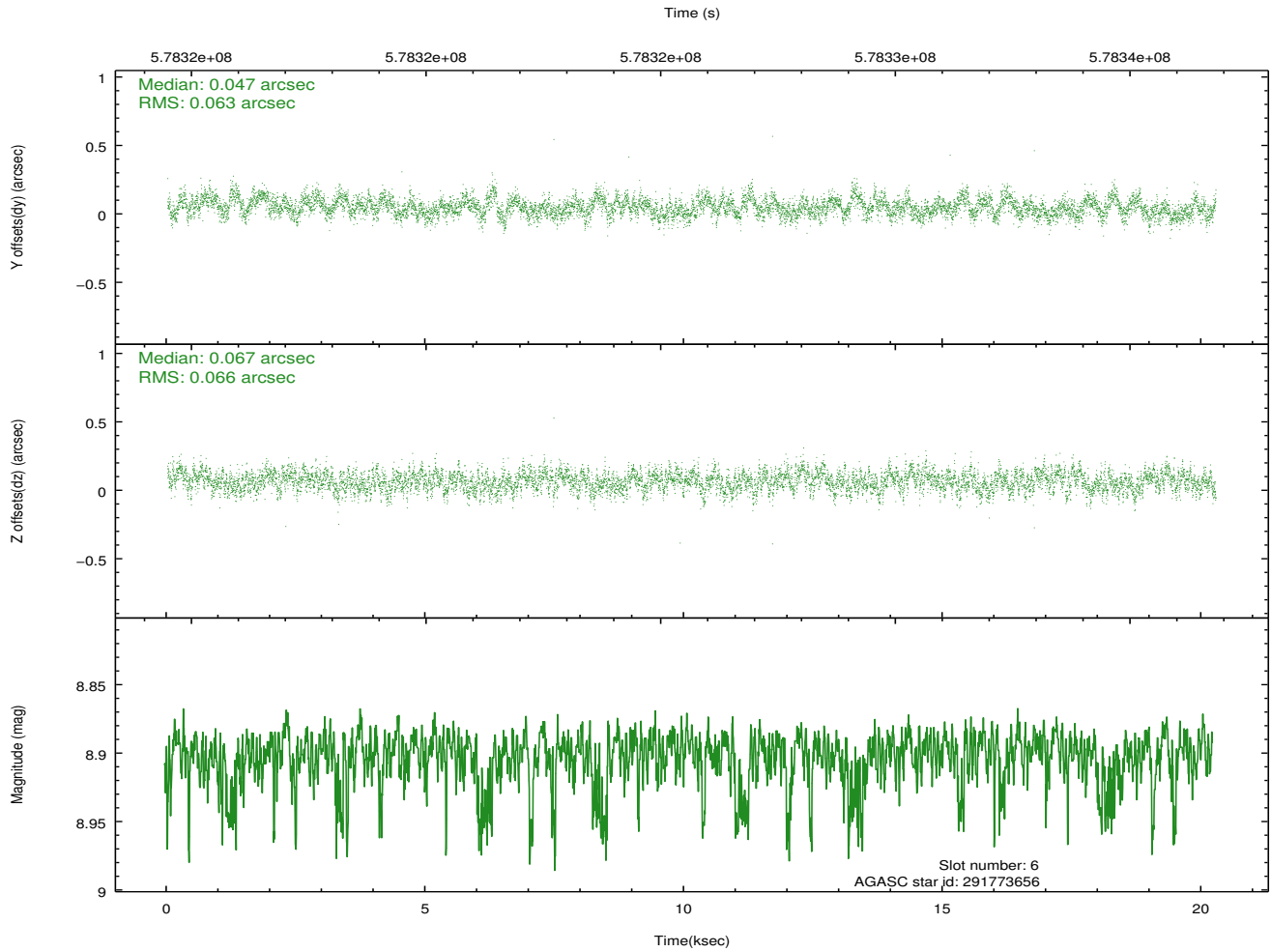
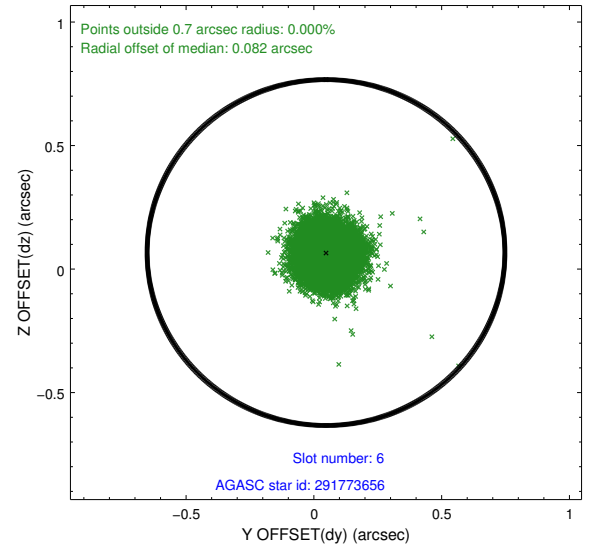
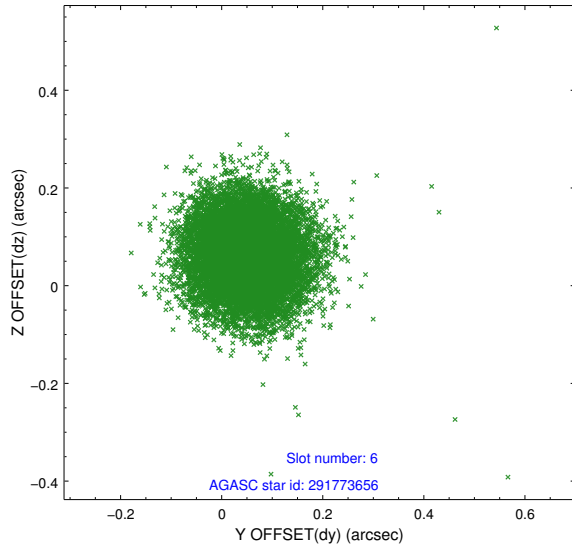
2.4.2 Slot 4



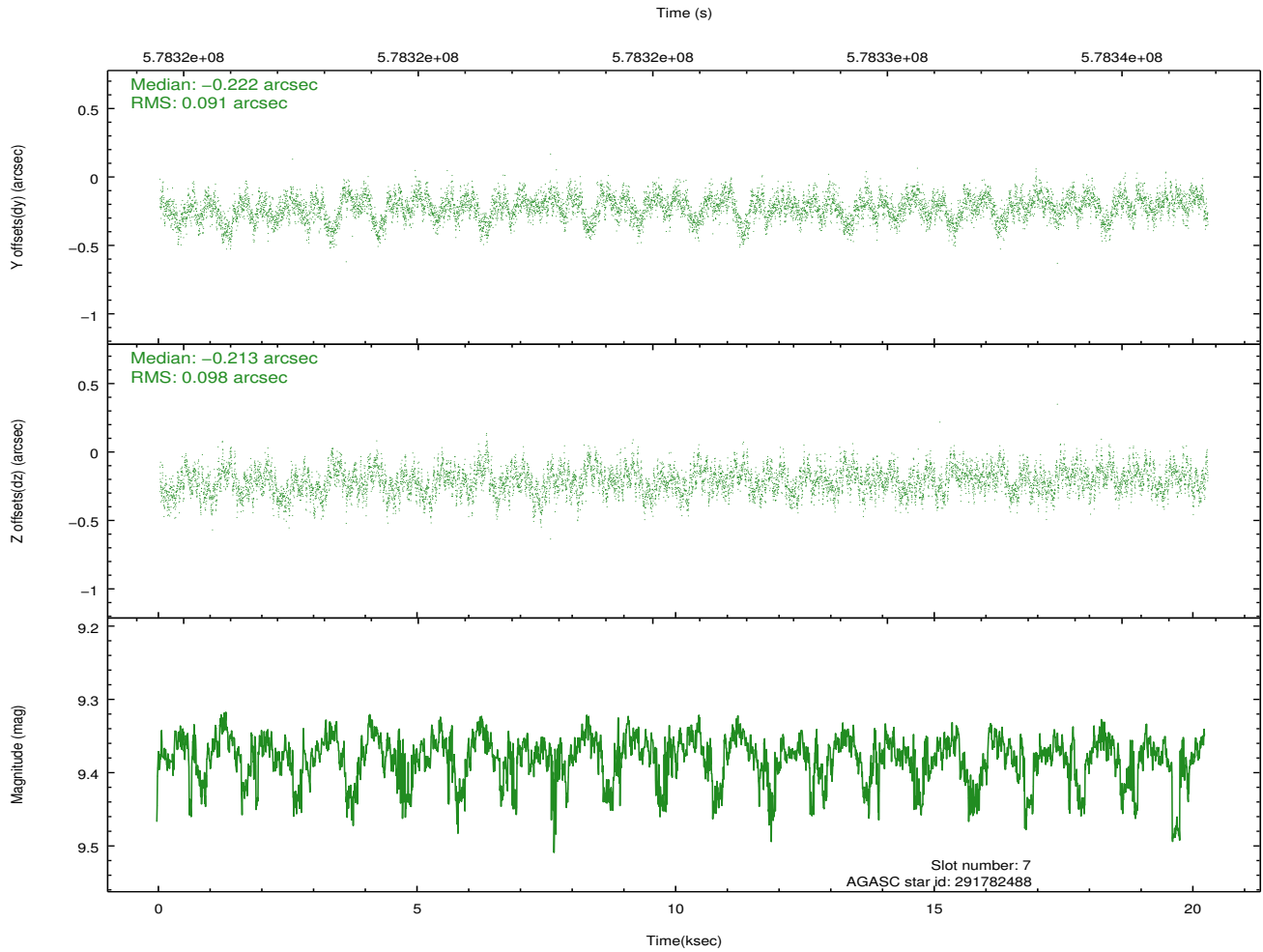
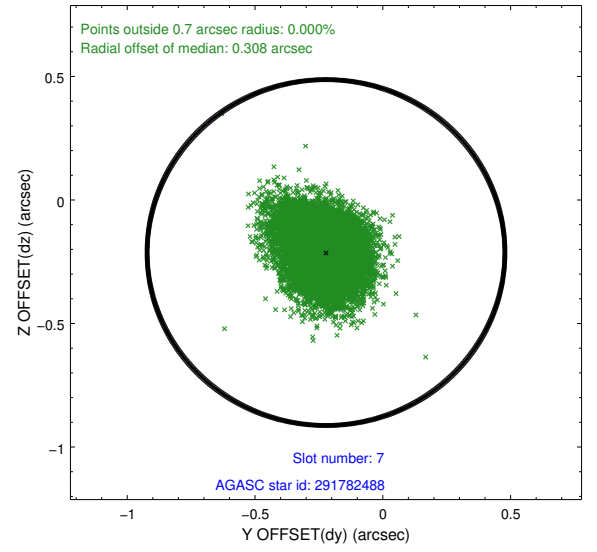
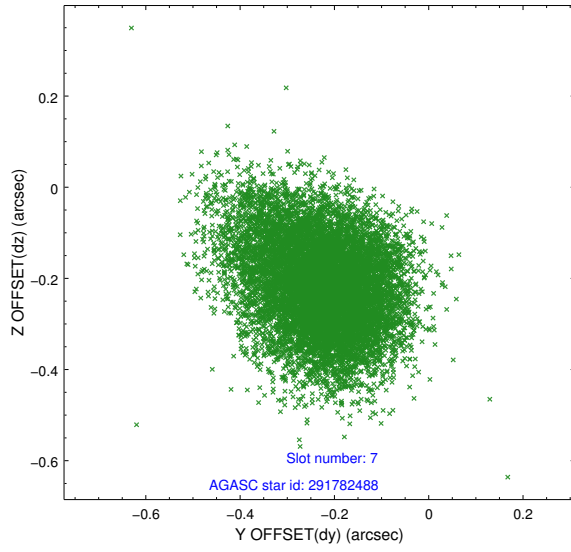
2.4.3 Slot 5



2.4.4 Slot 6

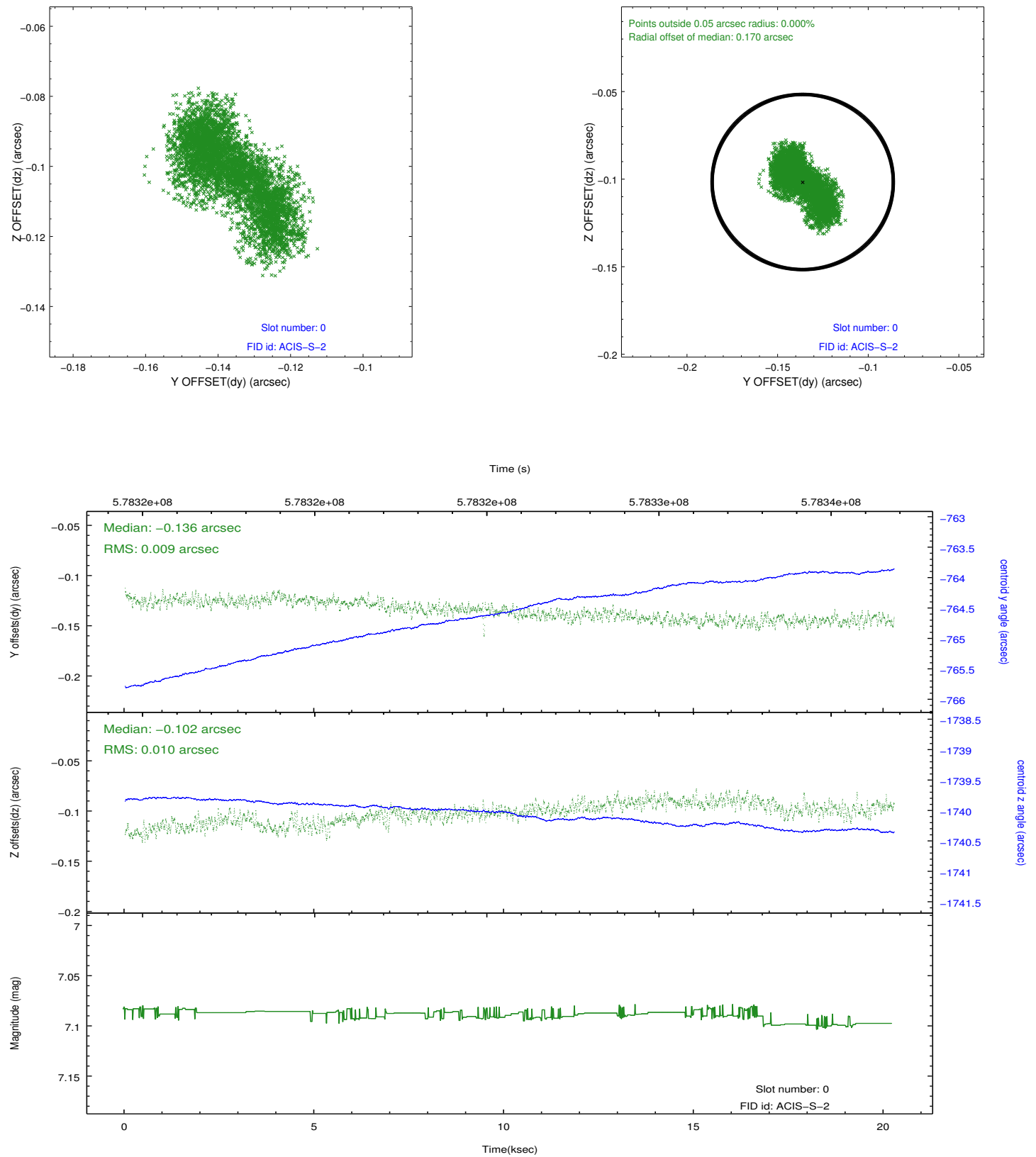


2.4.5 Slot 7

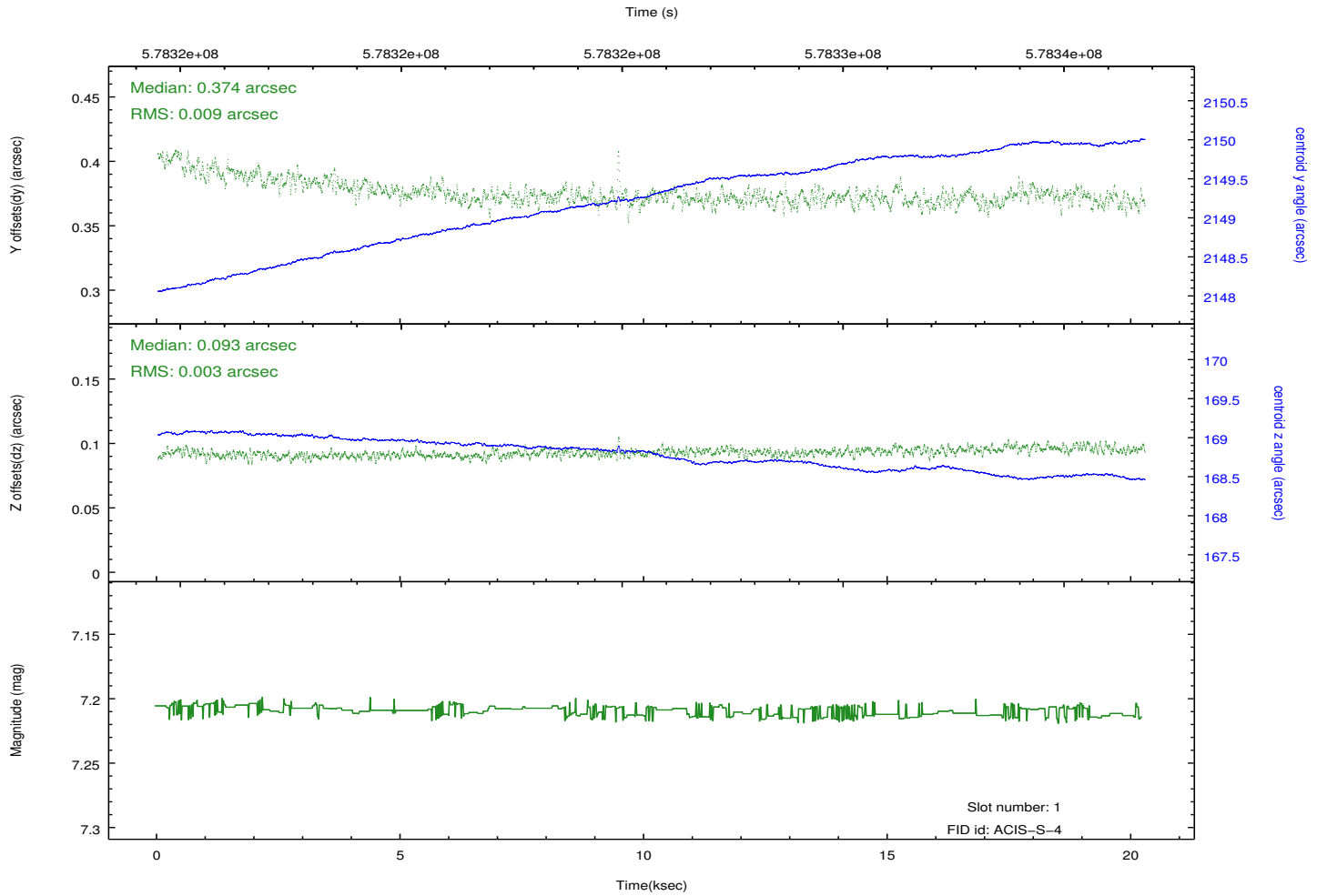
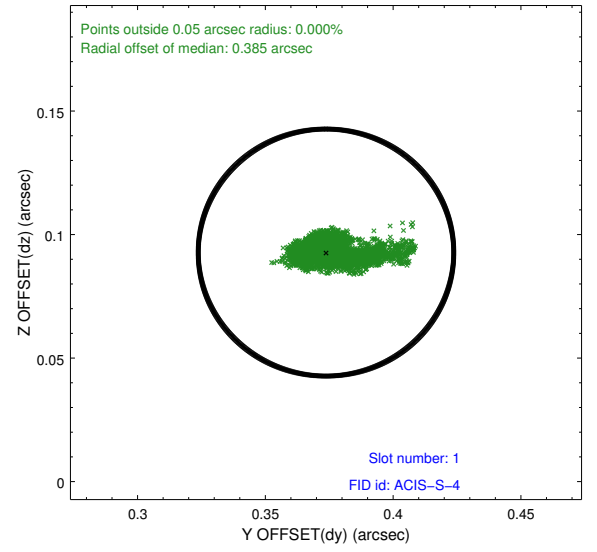
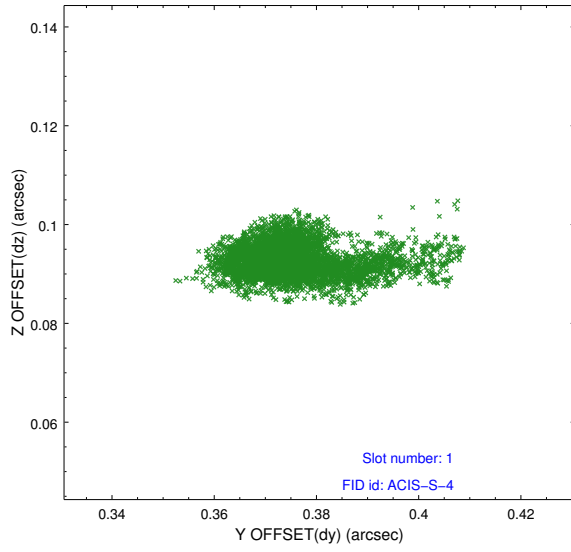


2.5 FID Slots

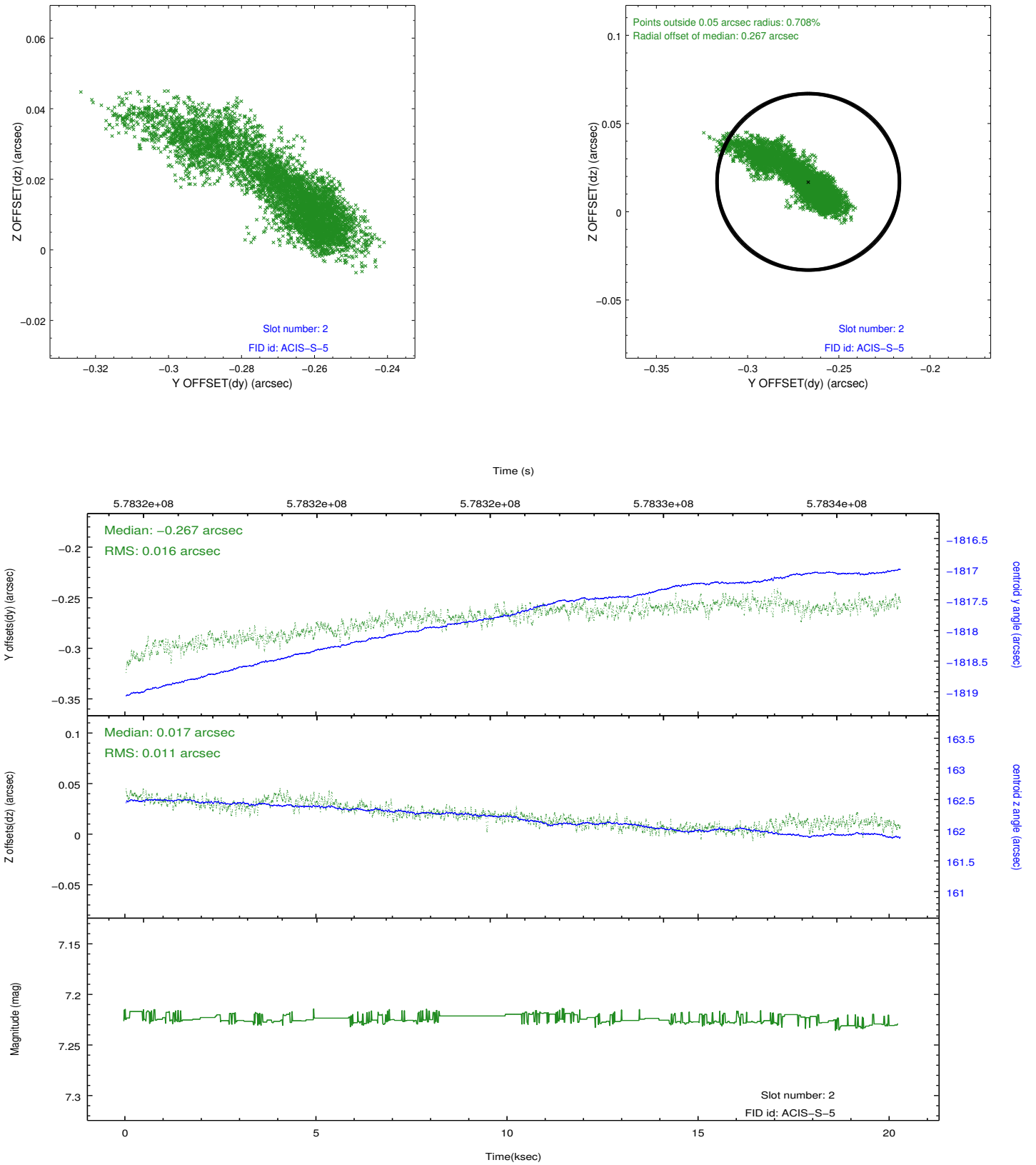
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.566782814384

A.2 Comments