

V&V Reference Report

L2 ASCDS Version : 10.6.4

Observation 21401 - L2 Version 1
Chandra X-Ray Center

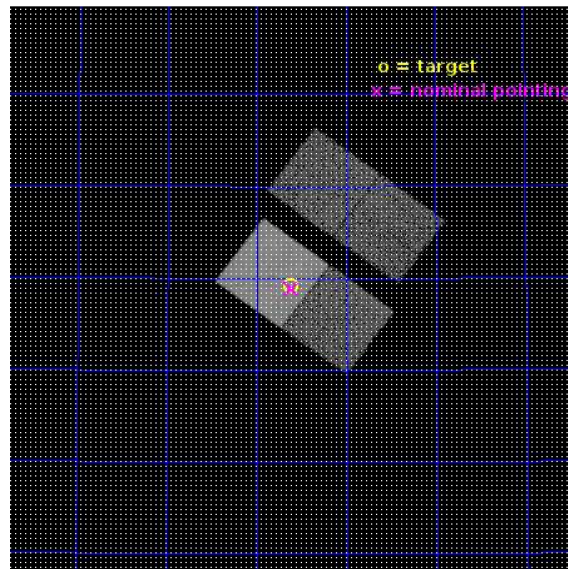
L2 Processing Date : Sep 4 2018

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1 Front

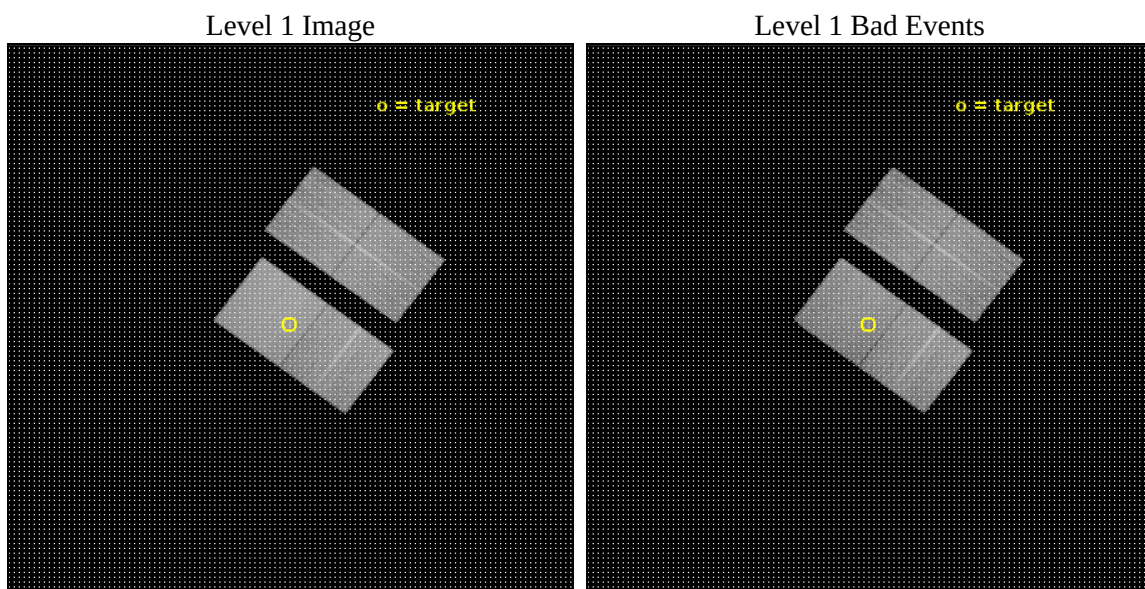
seq_num	703699	Sequence number
obs_id	21401	Observation id
title	COMPLETING THE CHANDRA EXTRAGALACTIC 3CR SURVEY	Proposal title
observer	Fr Massaro	Principal investigator
object	3CR 418.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	309.654167	Observer's specified target RA [deg]
dec_targ	51.320167	Observer's specified target Dec [deg]
ra_nom	309.65335705838	Nominal RA [deg]
dec_nom	51.314271156788	Nominal Dec [deg]
roll_nom	216.4273627	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18066.589676023	Sum of GTIs [s]
livetime	17830.536381475	Livetime [s]
ontime2	18066.466556072	Sum of GTIs [s]
ontime3	18066.507596016	Sum of GTIs [s]
ontime6	18066.548636079	Sum of GTIs [s]
ontime7	18066.589676023	Sum of GTIs [s]
l2events	112707	Number of level 2 events



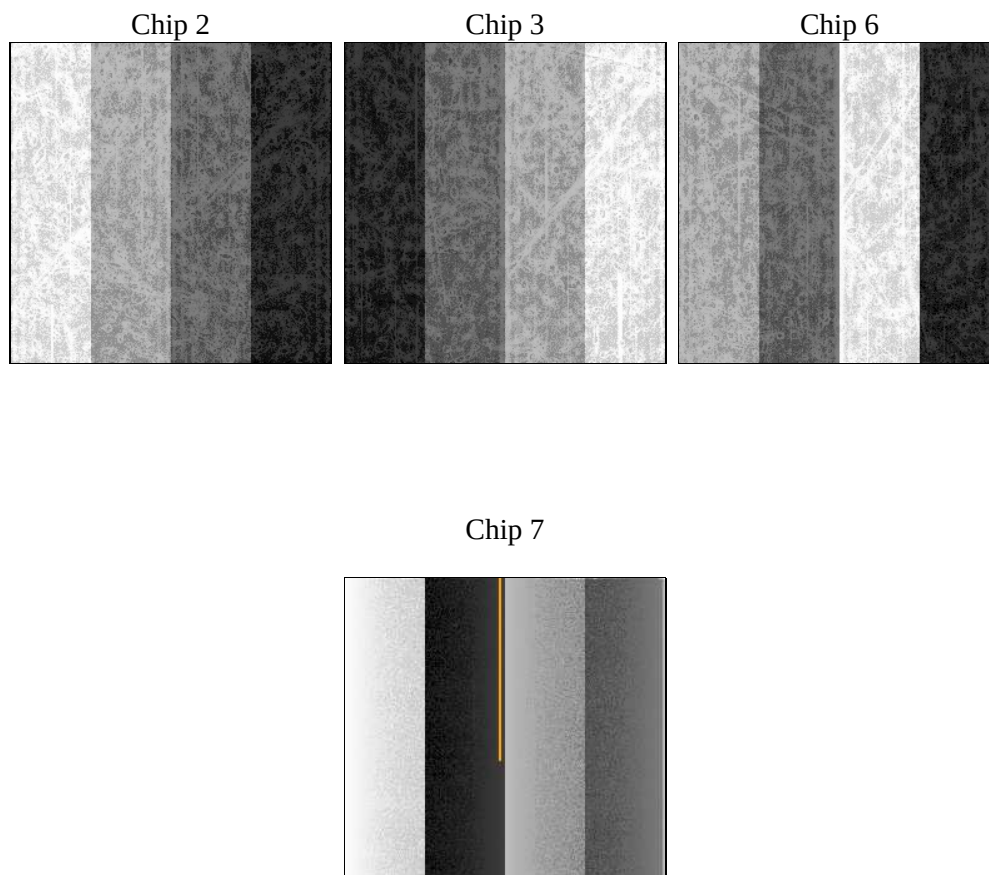
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	10.6.4	Processing system revision	ontime	18066.589676023	Sum of GTIs [s]
caldsver	4.7.8	 	ontime2	18066.466556072	Sum of GTIs [s]
date	2018-09-04T06:34:56	Date and time of file creation	ontime3	18066.507596016	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	18066.548636079	Sum of GTIs [s]
			ontime7	18066.589676023	Sum of GTIs [s]
			l1events	596234	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	139098	134182	144165	178789
rejected events	125207	120654	128490	101538
rejected %	90%	89%	89%	56%

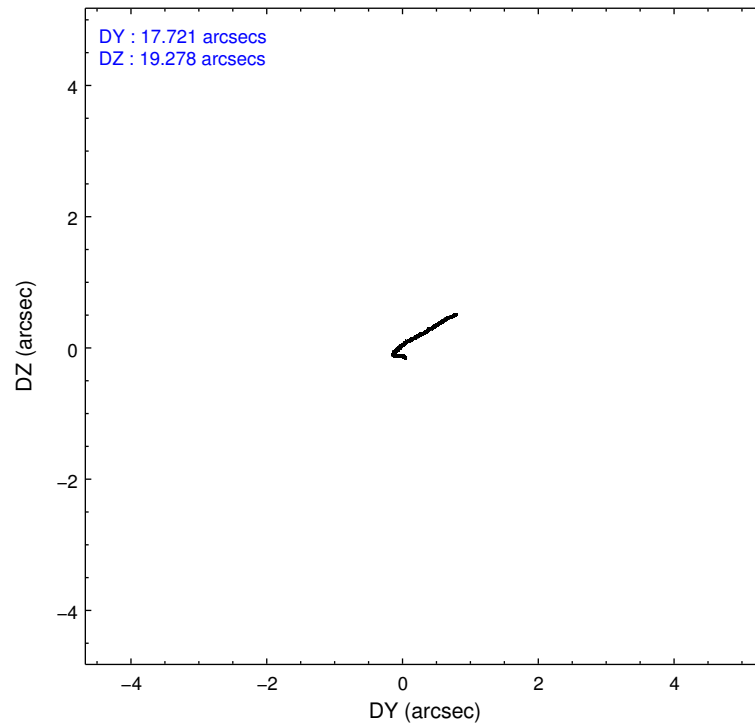
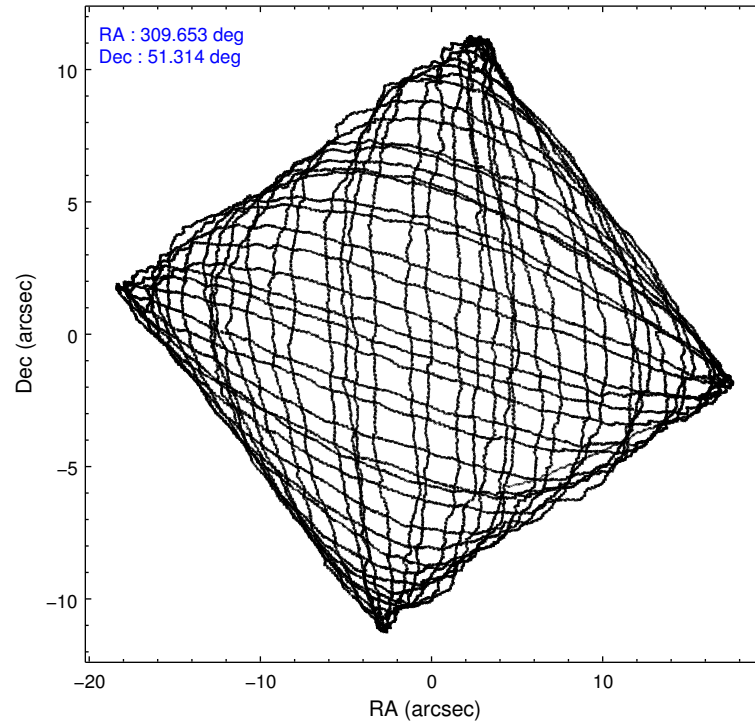
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4878	4623	4647	6437
	3%	3%	3%	3%
grade 1 events	80	75	61	298
	0%	0%	0%	0%
grade 2 events	3240	3027	4052	16470
	2%	2%	2%	9%
grade 3 events	1439	1472	1463	5947
	1%	1%	1%	3%
grade 4 events	1469	1458	1386	5949
	1%	1%	0%	3%
grade 5 events	5220	6148	5832	17067
	3%	4%	4%	9%
grade 6 events	2868	2951	4133	42467
	2%	2%	2%	23%
grade 7 events	119904	114428	122591	84154
	86%	85%	85%	47%

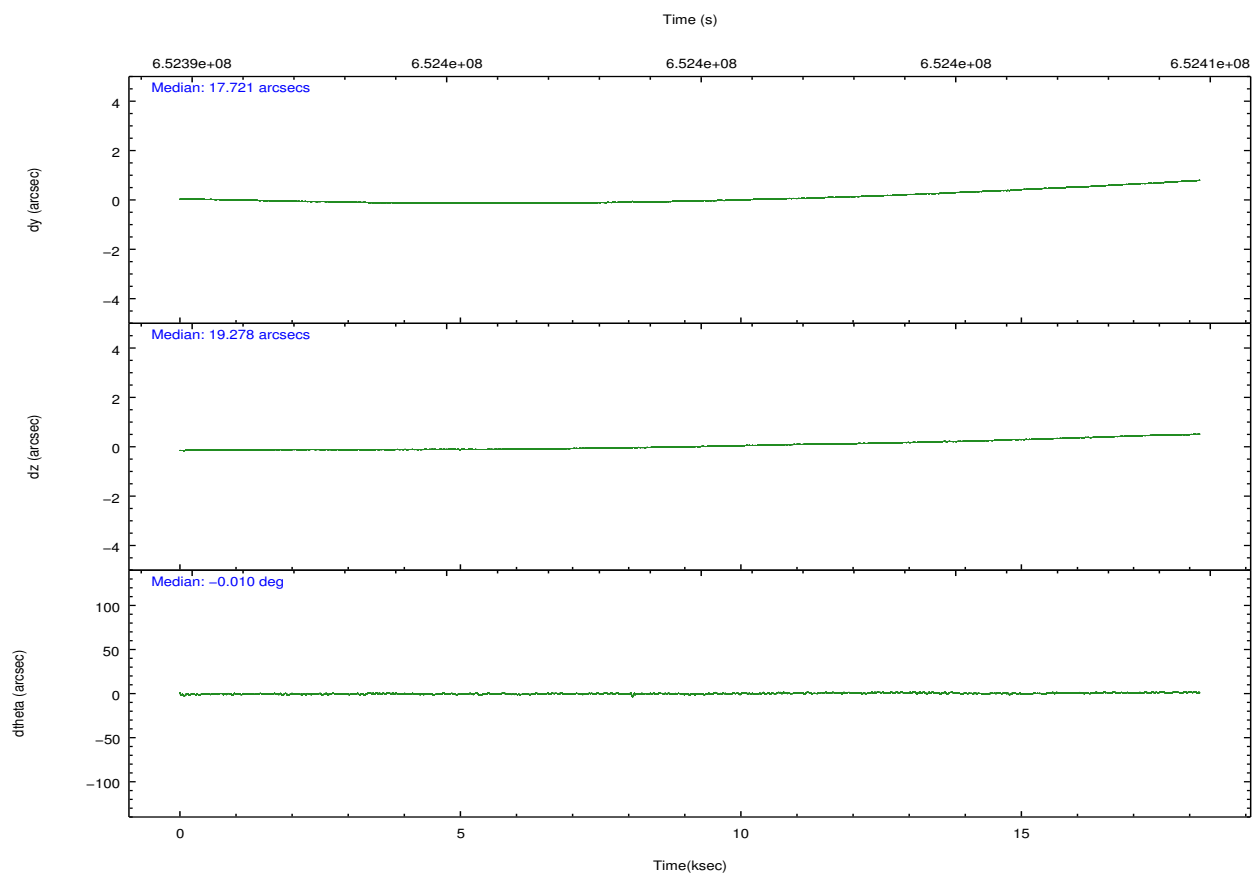
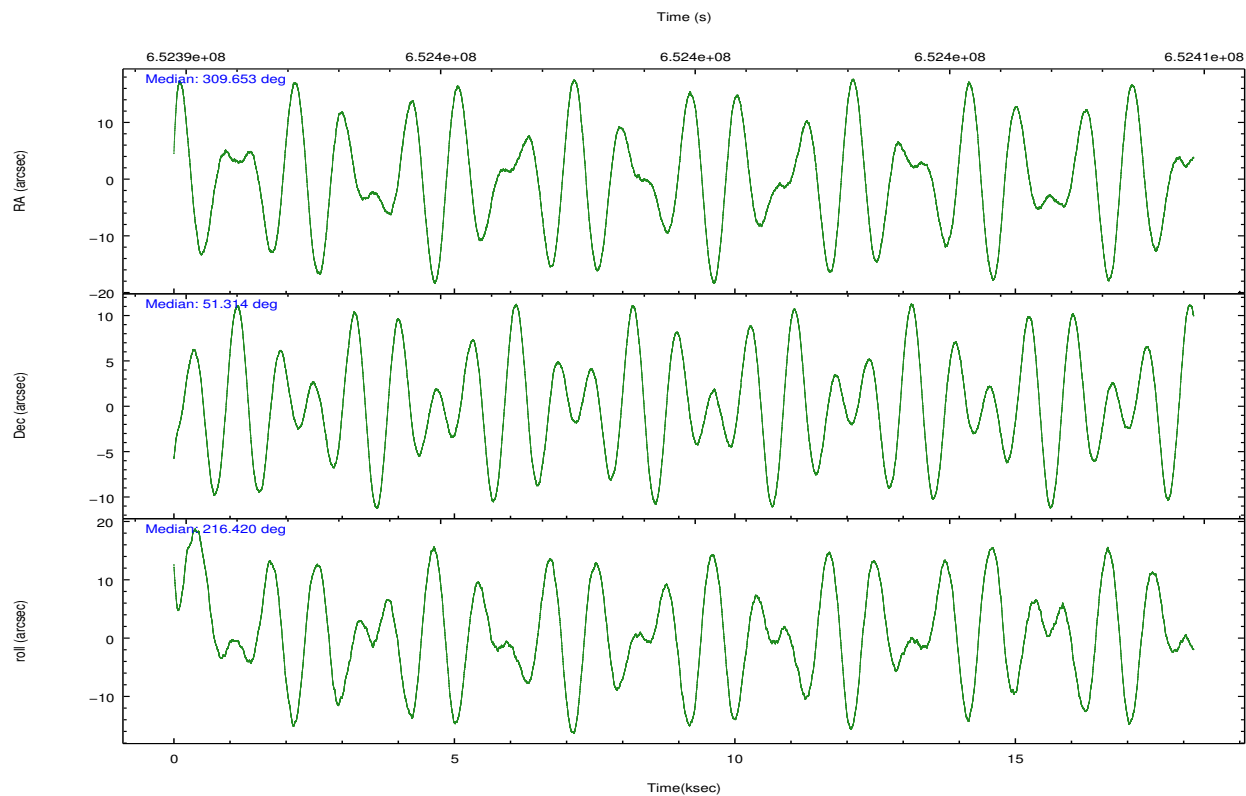
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	309.670364	309.6533570583815
[deg] Pointing Dec	51.339571	51.31427115678768
[deg] Pointing Roll	216.257459	216.427362700004
[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)	652390869.184000	652389829.3943599
Observation start date	2018-09-03T19:40:00	2018-09-03T19:23:49
[s] Observation end time (MET)	652408869.184000	652410171.03307
Observation end date	2018-09-04T00:40:00	2018-09-04T01:02:51
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	O1	Y
CCD I3 on	O2	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
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



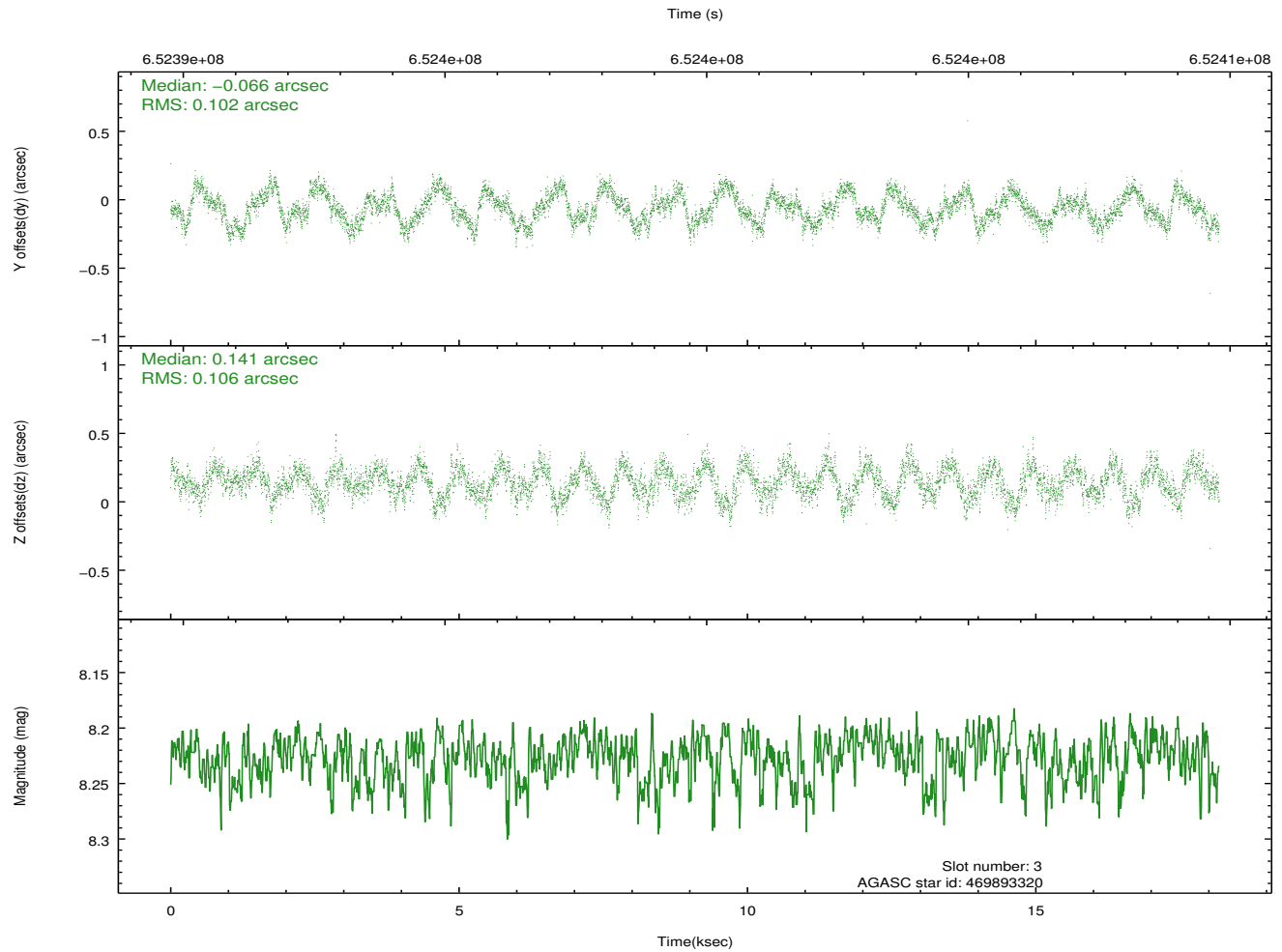
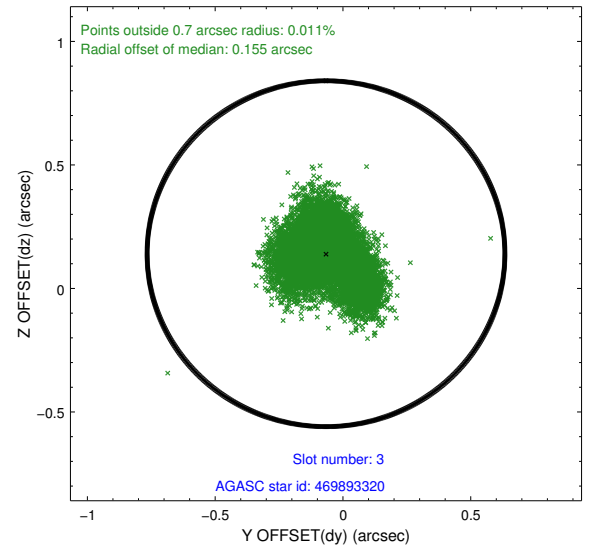
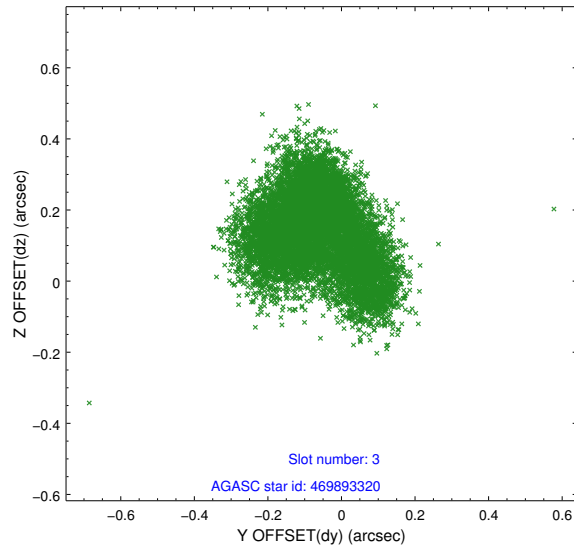


Slot Statistics

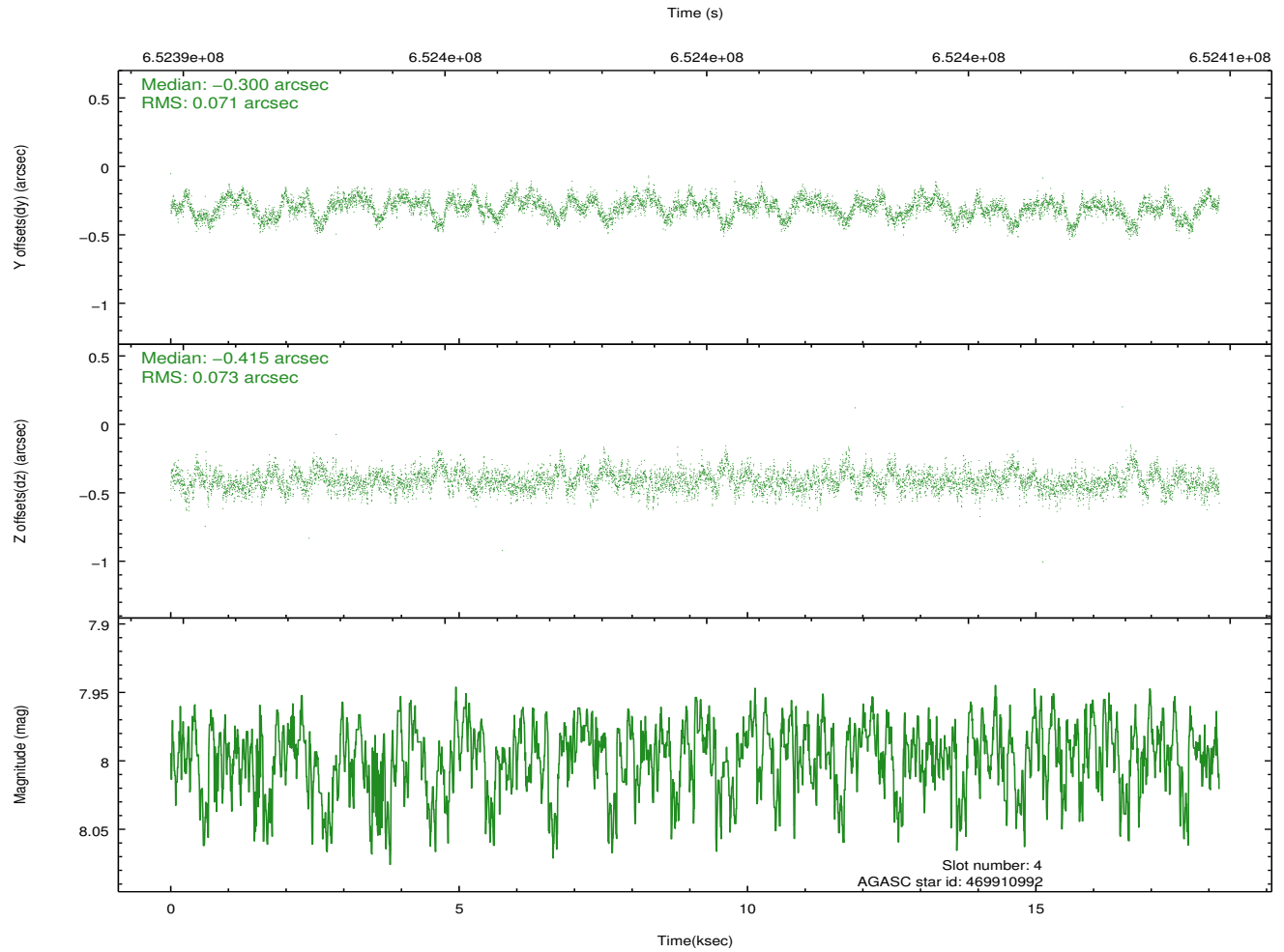
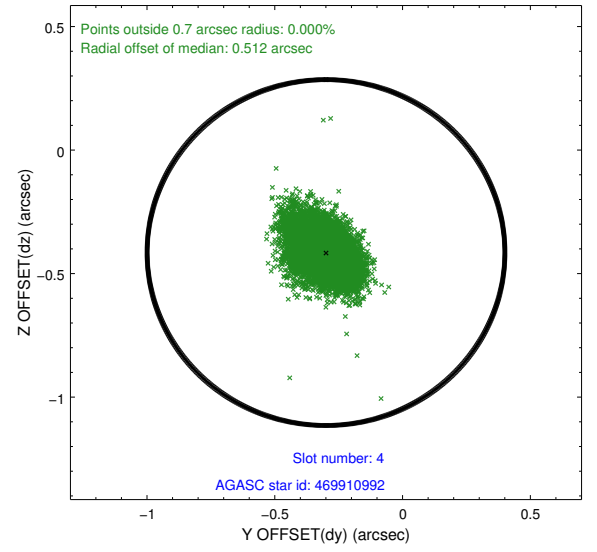
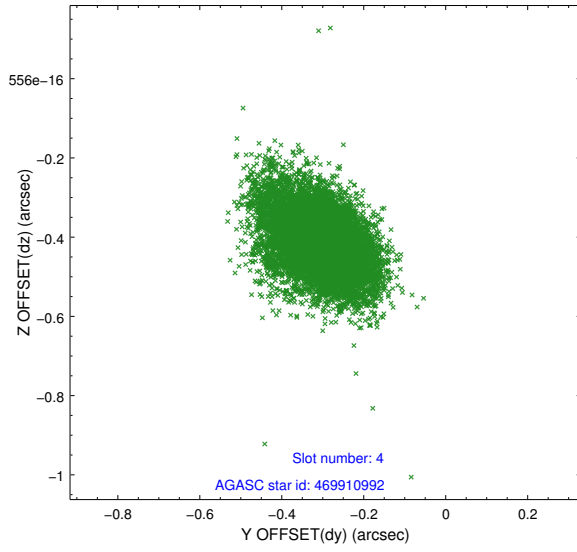
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.21	4434	1.000	0.307	-0.076	0.010	0.017	0.000000	0.000000	925.61	-1736
1	FID		ACIS-S-2	7.13	4434	1.000	-0.170	-0.070	0.013	0.027	0.000000	0.000000	-770.65	-1741
2	FID		ACIS-S-5	7.22	4434	1.000	-0.160	0.151	0.011	0.018	0.000000	0.000000	-1824.27	160
3	GUIDE	used	469893320	8.23	8866	1.000	-0.066	0.141	0.158	0.247	309.092952	51.147778	1457.21	-218
4	GUIDE	used	469910992	8.00	8866	1.000	-0.300	-0.415	0.105	0.180	309.117145	50.946146	1847.09	396
5	GUIDE	used	470028240	6.86	8869	1.000	0.143	0.191	0.095	0.155	309.403742	51.581685	-34.21	-1055
6	GUIDE	used	470044928	7.63	8867	1.000	-0.178	-0.384	0.103	0.173	310.696302	51.025350	-1214.35	2272
7	GUIDE	used	470039488	9.16	8857	1.000	0.407	0.468	0.127	0.209	310.143956	51.808470	-1849.68	-739

2.4 Star Slots

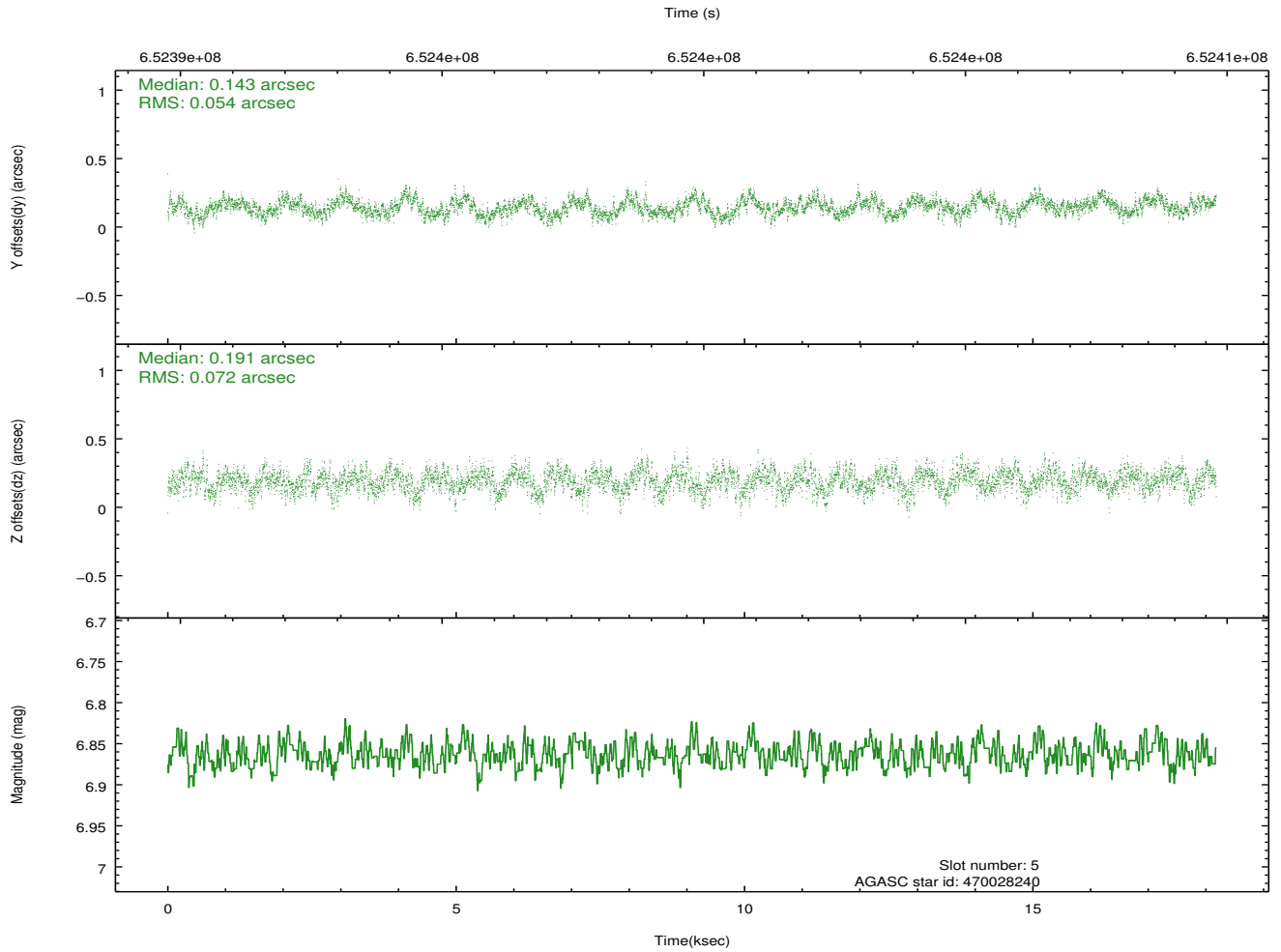
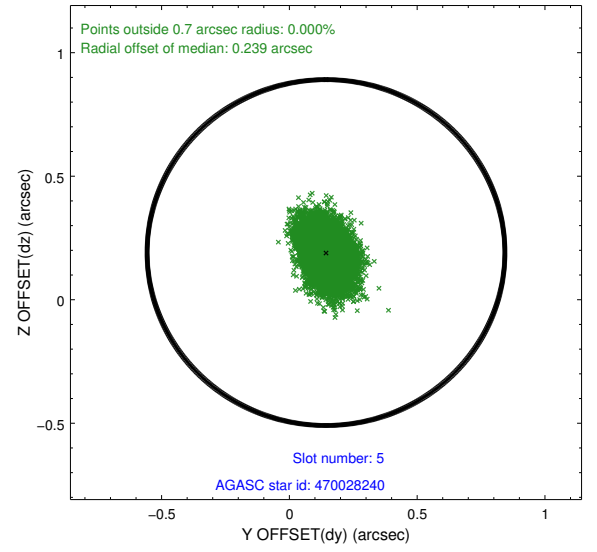
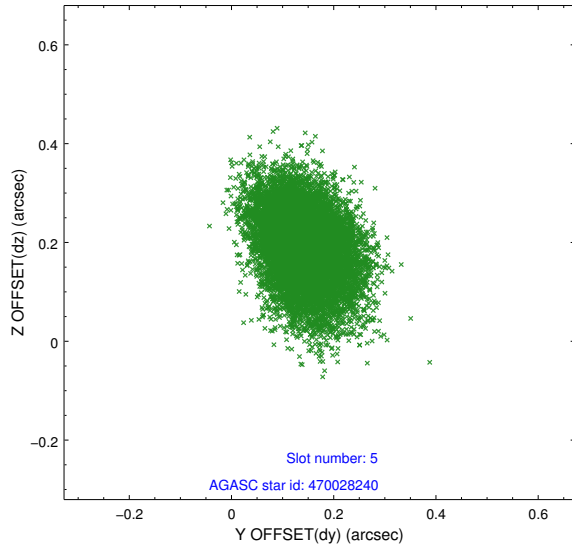
2.4.1 Slot 3



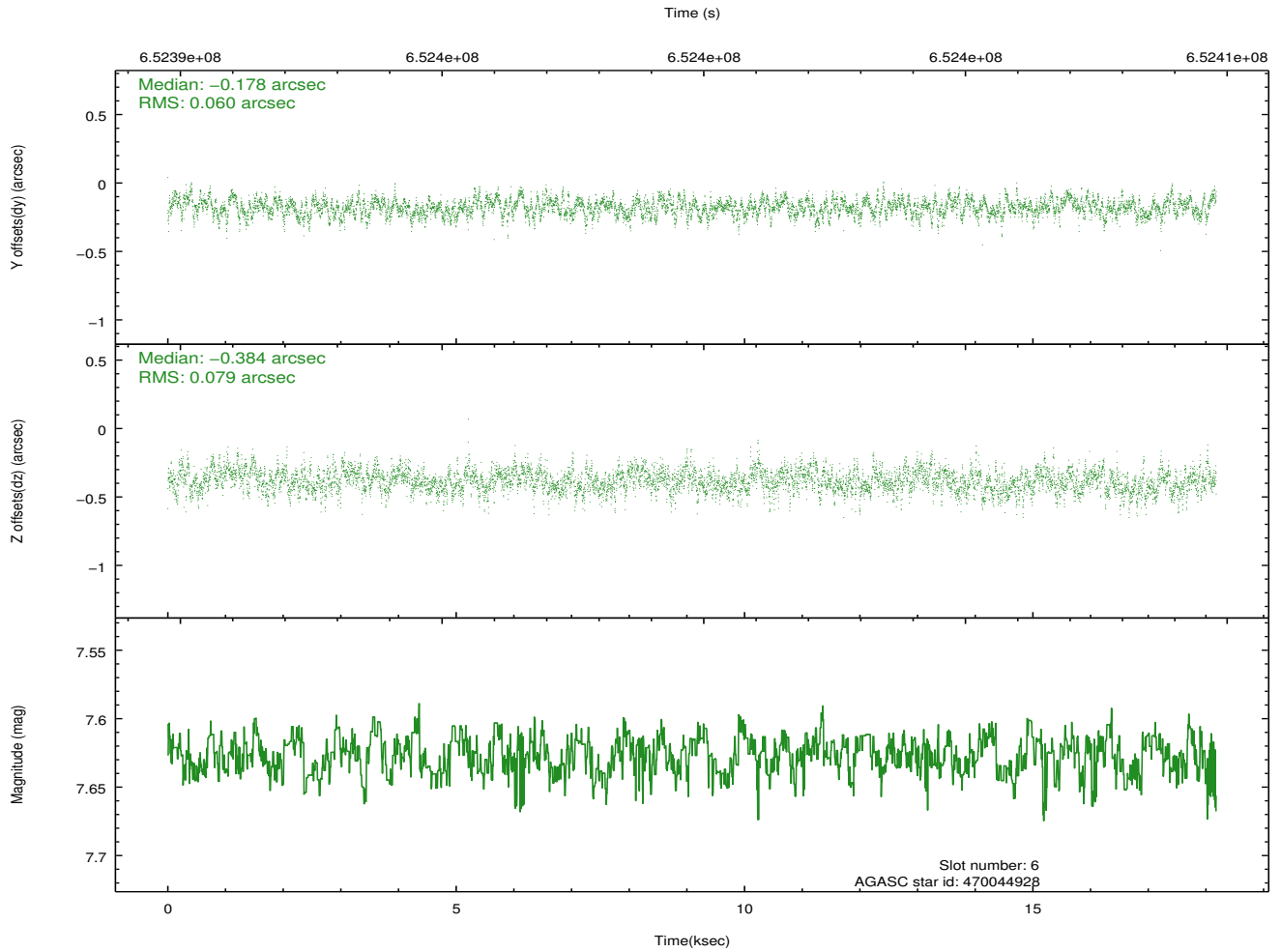
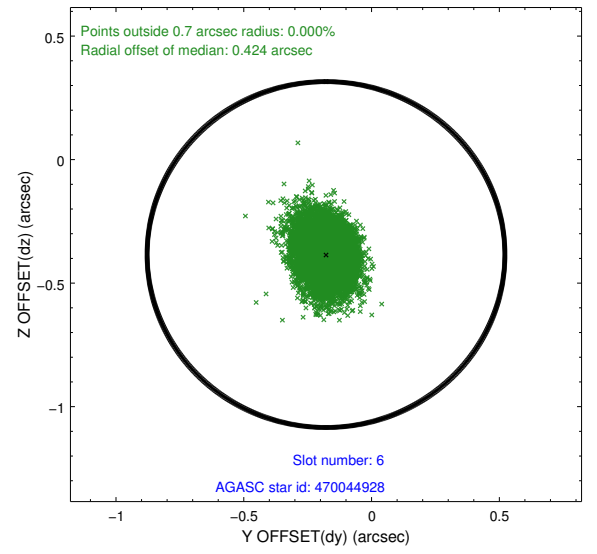
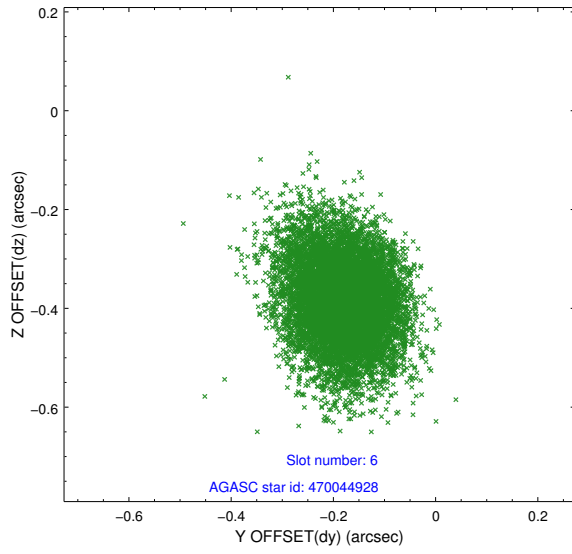
2.4.2 Slot 4



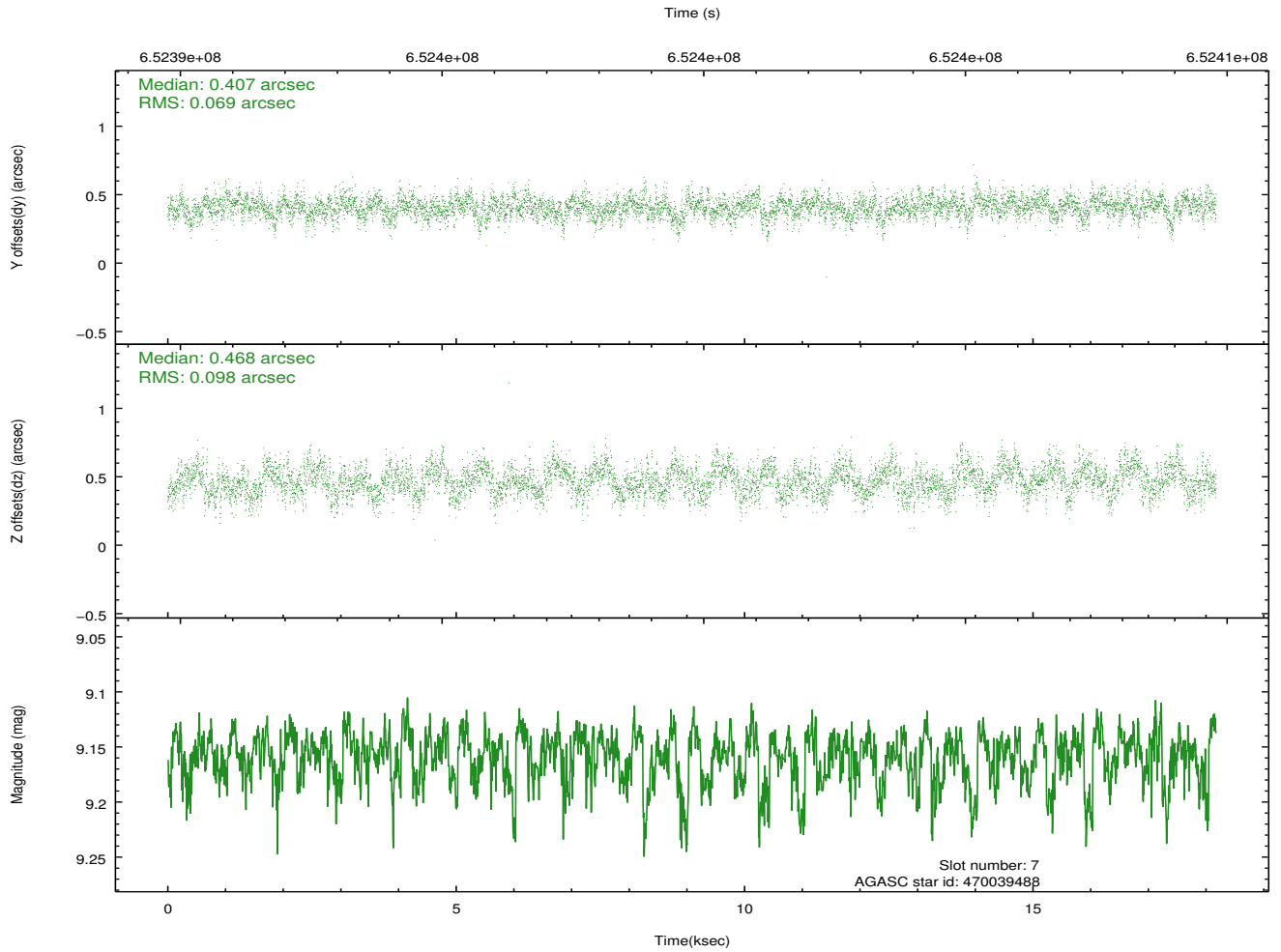
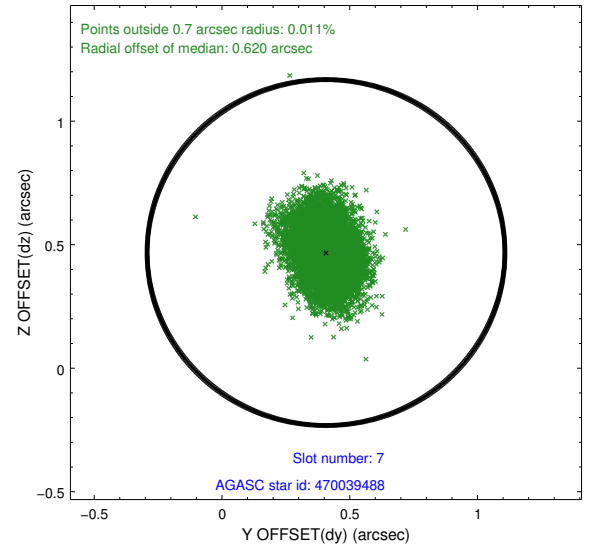
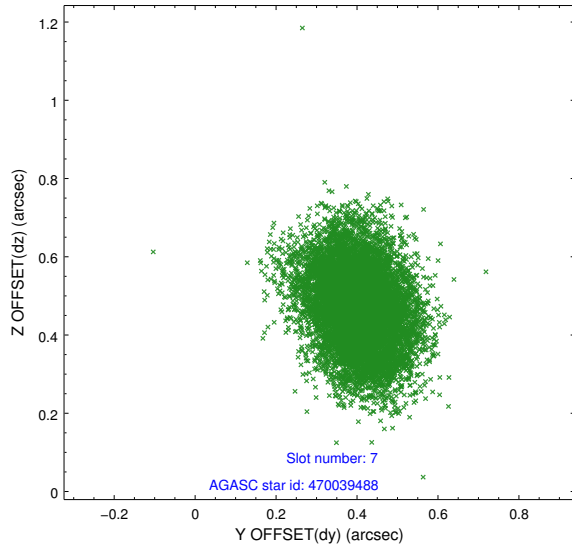
2.4.3 Slot 5



2.4.4 Slot 6

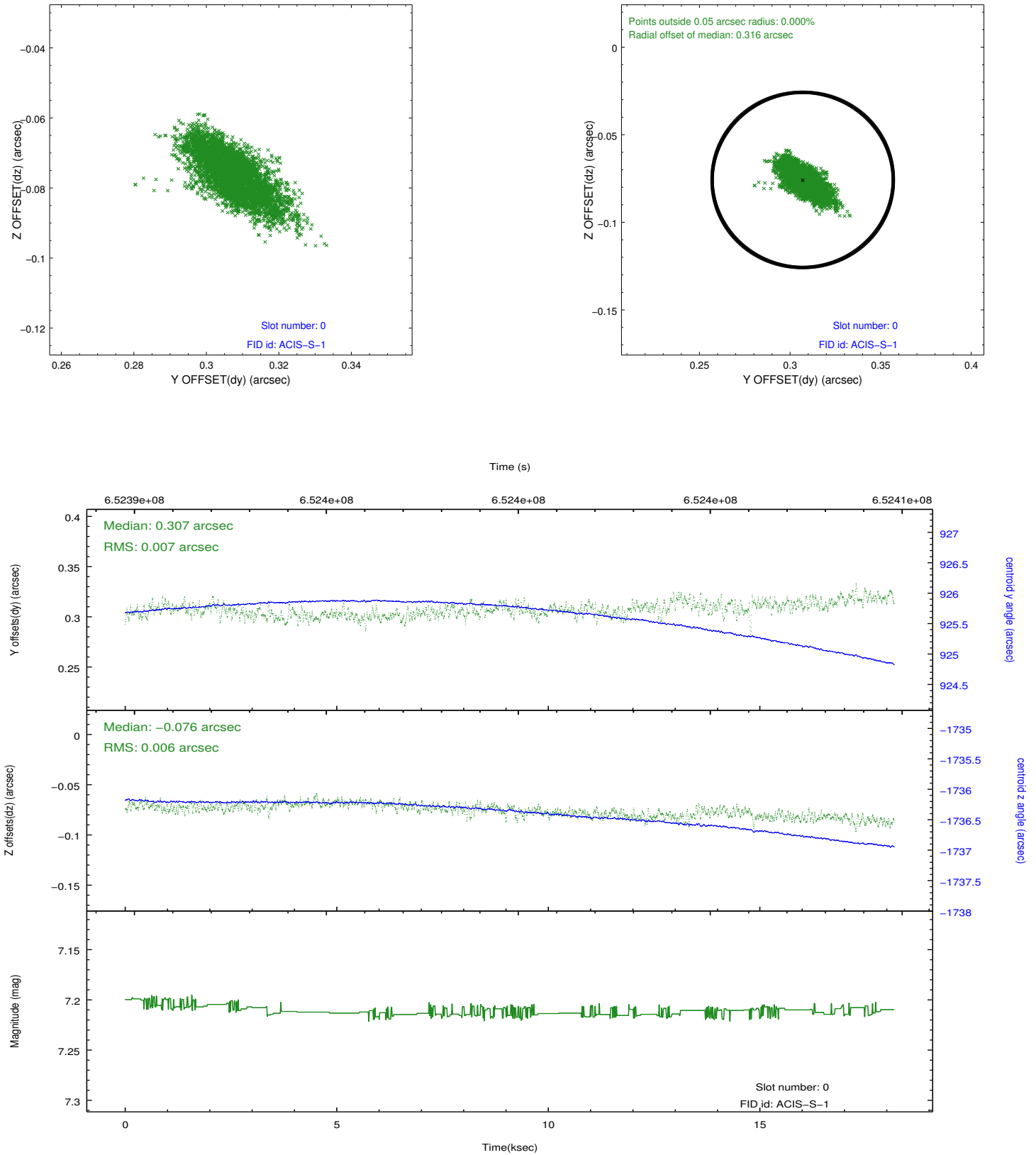


2.4.5 Slot 7

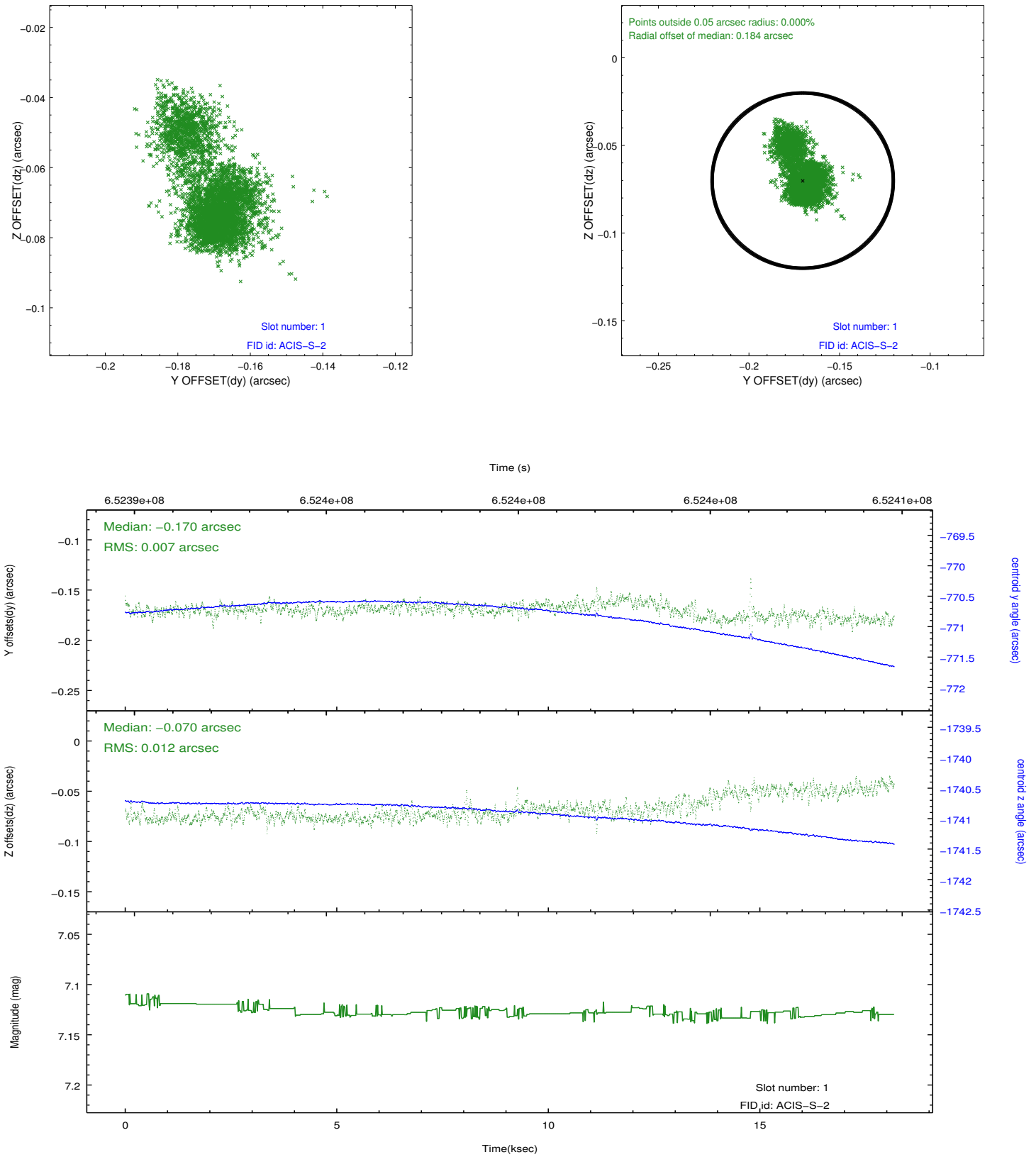


2.5 FID Slots

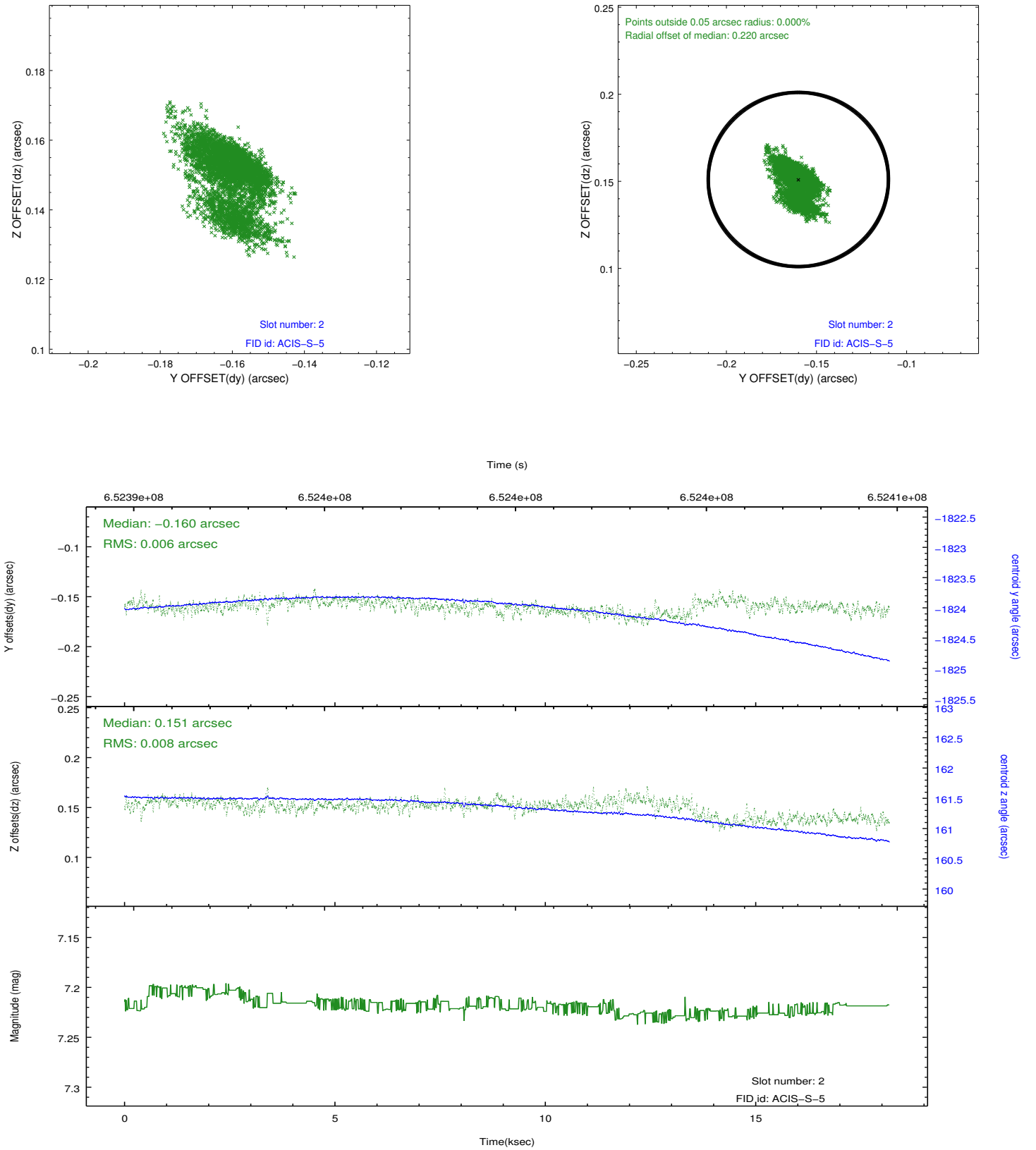
2.5.1 Slot 0



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)	2018.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.066589676023

A.2 Comments