

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 16663 - L2 Version 1
Chandra X-Ray Center

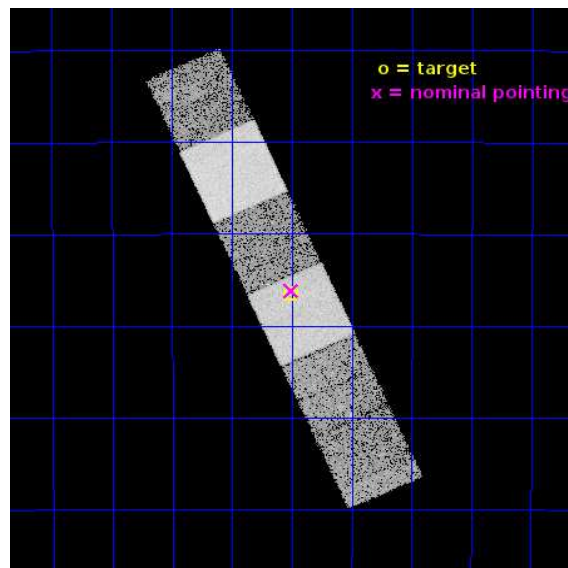
L2 Processing Date : Aug 16 2015

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1 Front

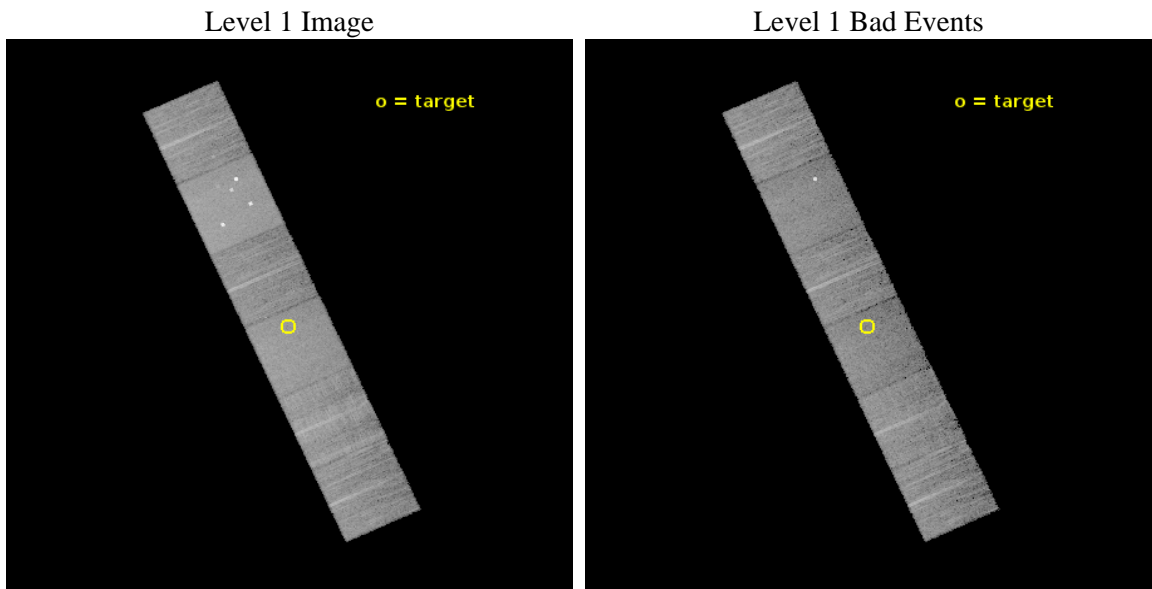
seq_num	200984	Sequence number
obs_id	16663	Observation id
title	An age-activity calibration for old low-mass stars	Proposal title
observer	Dr Katja Poppenhaeger	Principal investigator
object	L577-71	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	358.502917	Observer's specified target RA [deg]
dec_targ	-33.274972	Observer's specified target Dec [deg]
ra_nom	358.50127576941	Nominal RA [deg]
dec_nom	-33.269697654224	Nominal Dec [deg]
roll_nom	65.52521184325	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14700.800219059	Sum of GTIs [s]
livetime	14514.649834926	Livetime [s]
ontime4	14700.800219059	Sum of GTIs [s]
ontime5	14700.800219059	Sum of GTIs [s]
ontime6	14700.800219059	Sum of GTIs [s]
ontime7	14700.800219059	Sum of GTIs [s]
ontime8	14700.800219059	Sum of GTIs [s]
ontime9	14700.800219059	Sum of GTIs [s]
l2events	129137	Number of level 2 events



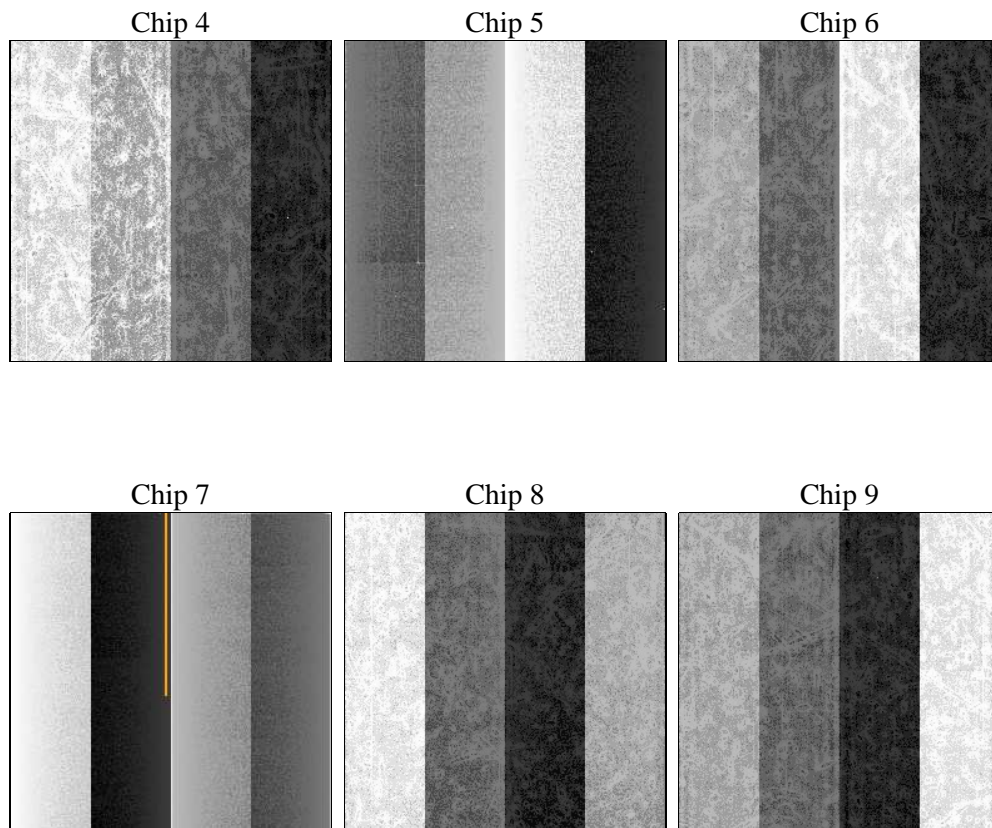
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14759.347000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	14700.800219059	Sum of GTIs [s]
caldsver	4.6.8	 	ontime4	14700.800219059	Sum of GTIs [s]
date	2015-08-16T20:51:43	Date and time of file creation	ontime5	14700.800219059	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	14700.800219059	Sum of GTIs [s]
			ontime7	14700.800219059	Sum of GTIs [s]
			ontime8	14700.800219059	Sum of GTIs [s]
			ontime9	14700.800219059	Sum of GTIs [s]
			l1events	569611	Number of level 1 events

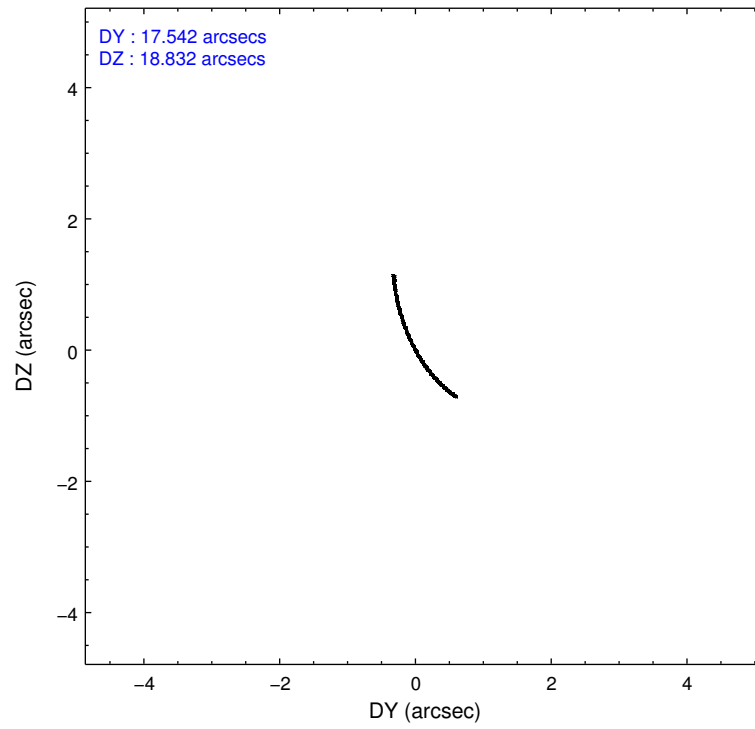
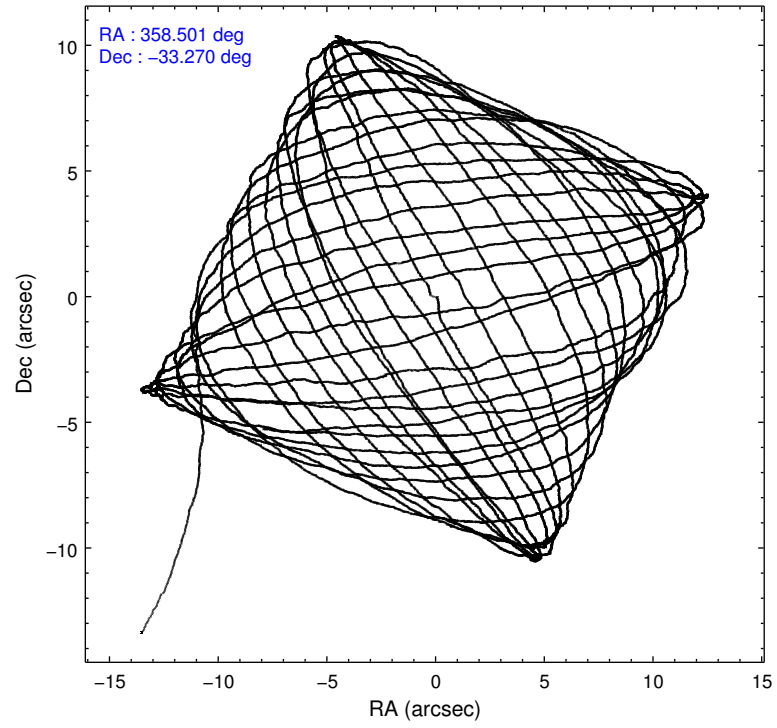
2.1.4 Events

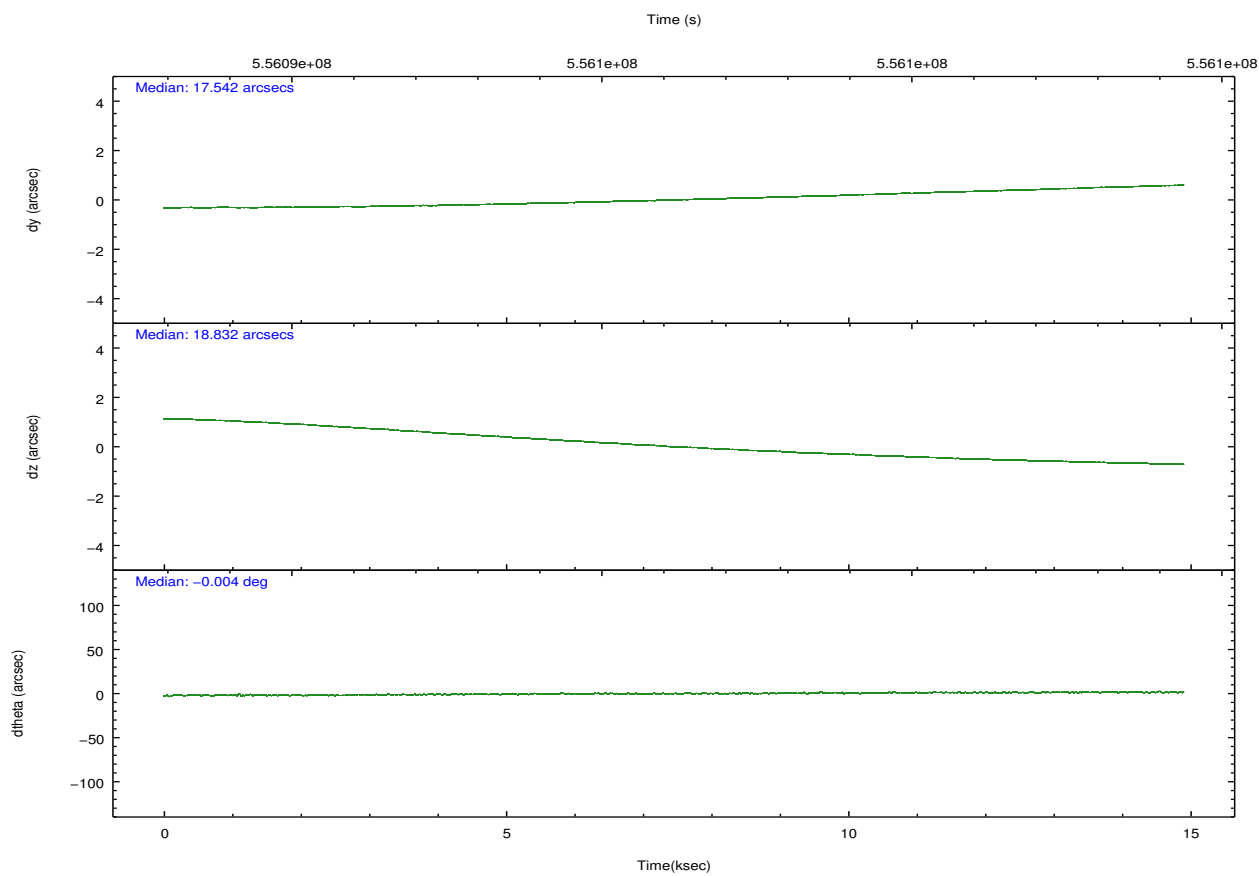
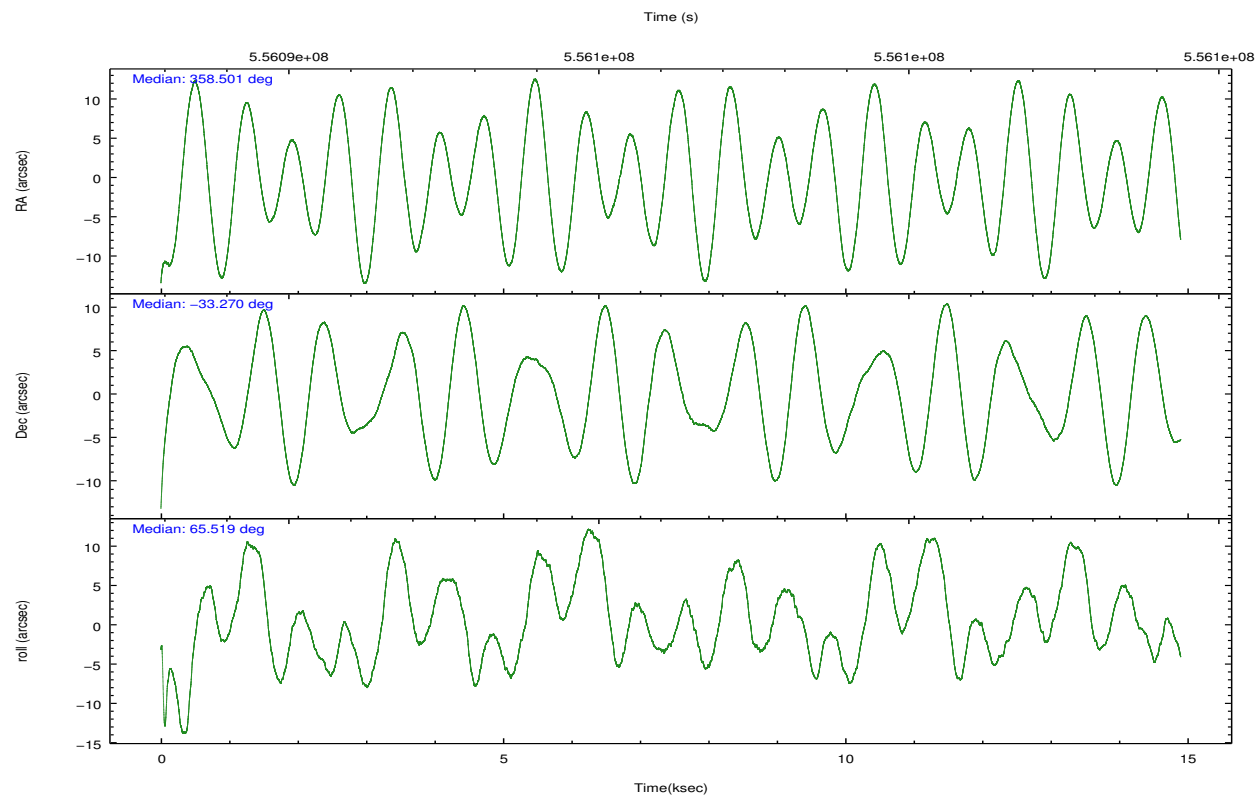
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	86445	131695	76961	99504	99236	75770	grade 0 events	3810	11229	3016	3788	7550	3374
rejected events	76767	66060	68152	56217	72567	66442		4%	8%	3%	3%	7%	4%
rejected %	88%	50%	88%	56%	73%	87%	grade 1 events	85	249	42	162	79	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	2293	19489	2032	8977	6343	2065
								2%	14%	2%	9%	6%	2%
							grade 3 events	996	1867	865	3552	2755	931
								1%	1%	1%	3%	2%	1%
							grade 4 events	922	1791	878	3516	2589	927
								1%	1%	1%	3%	2%	1%
							grade 5 events	3971	8987	3793	10042	5575	4302
								4%	6%	4%	10%	5%	5%
							grade 6 events	1662	31309	2021	23488	7434	2032
								1%	23%	2%	23%	7%	2%
							grade 7 events	72706	56774	64314	45979	66911	62090
								84%	43%	83%	46%	67%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	358.504879	358.5012757694113	CCD I2 on	N	N
[deg] Pointing Dec	-33.296987	-33.26969765422366	CCD I3 on	N	N
[deg] Pointing Roll	65.370558	65.52521184324952	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	O4	Y
[s] Observation start time (MET)	556088836.184000	556087590.13984	CCD S5 on	O2	Y
Observation start date	2015-08-16T05:06:08	2015-08-16T04:46:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	556103596.184000	556103807.17825	On-chip summing requested	N	N
Observation end date	2015-08-16T09:12:08	2015-08-16T09:16:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



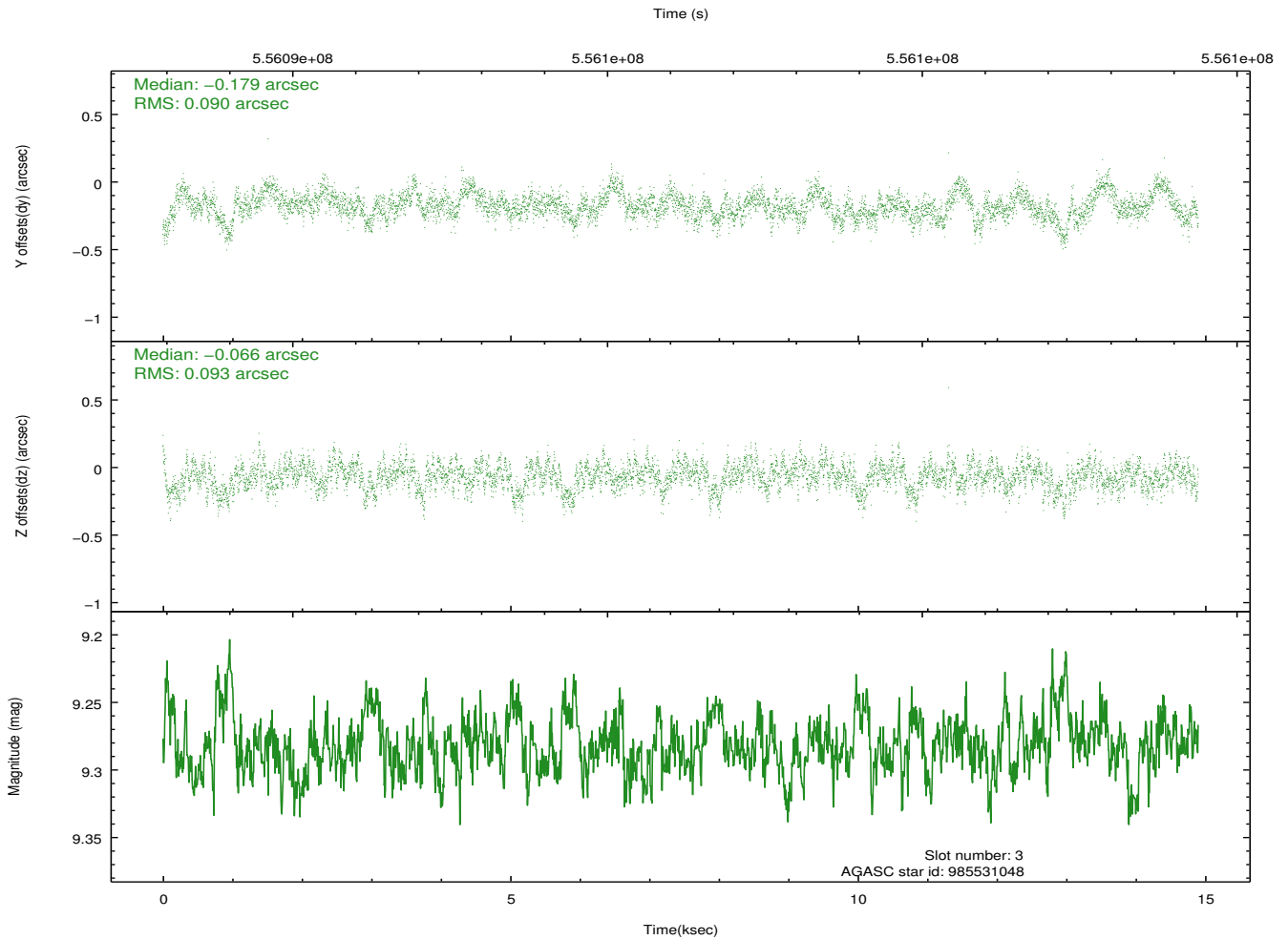
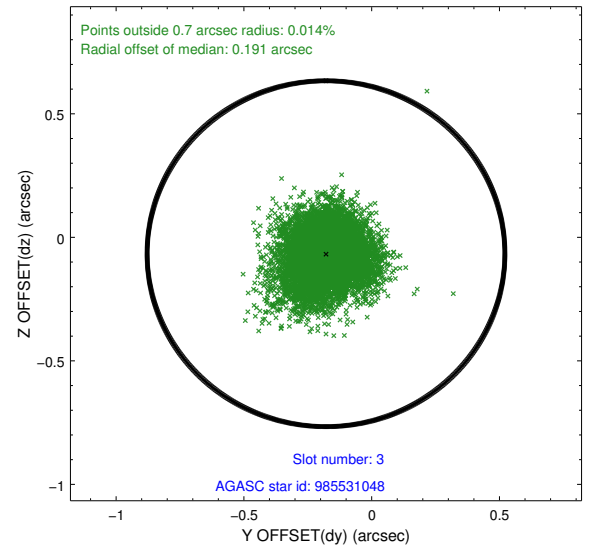
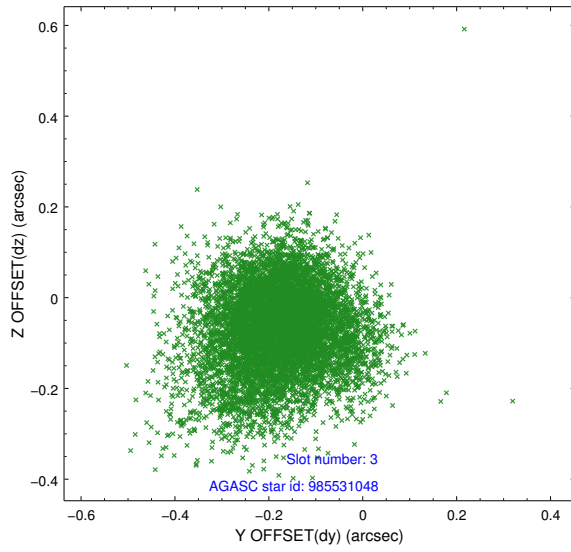


Slot Statistics

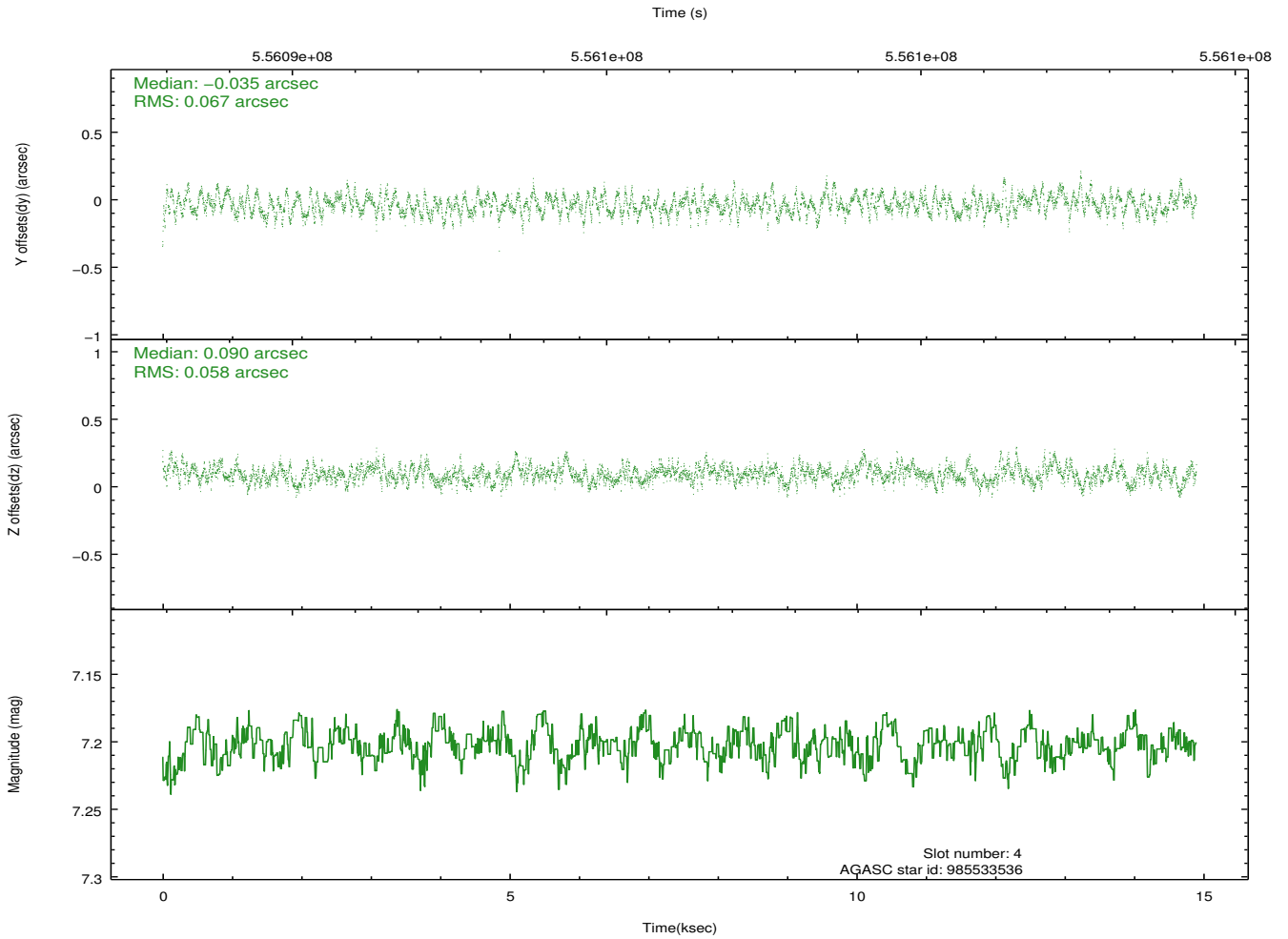
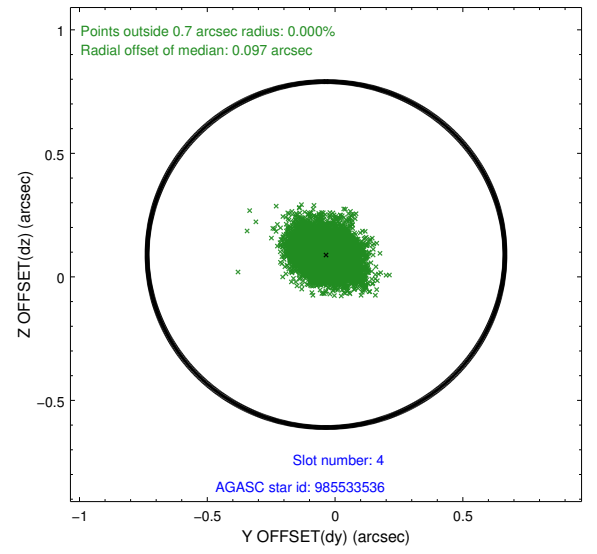
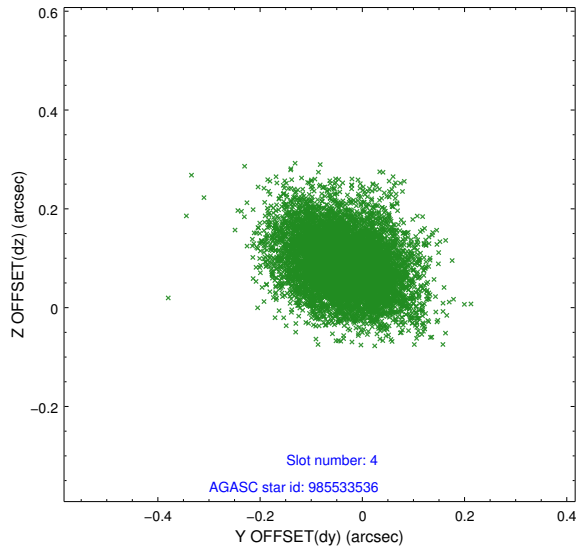
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	3634	-0.103	-0.088	0.016	0.033	0.000000	0.000000	-770.73	-1740.40
1	FID		ACIS-S-4	7.21	3634	0.294	0.073	0.006	0.012	0.000000	0.000000	2142.81	167.92
2	FID		ACIS-S-5	7.23	3633	-0.221	0.024	0.017	0.032	0.000000	0.000000	-1823.30	161.89
3	GUIDE	used	985531048	9.28	7260	-0.179	-0.066	0.138	0.225	358.649594	-33.135532	709.99	-154.24
4	GUIDE	used	985533536	7.20	7268	-0.035	0.090	0.094	0.155	359.409808	-33.189108	1479.88	-2321.99
5	GUIDE	used	985534776	9.07	7265	0.271	0.164	0.112	0.182	358.680467	-33.643110	-914.86	-997.32
6	GUIDE	used	985537448	9.61	7260	0.203	0.106	0.150	0.236	358.717489	-33.600943	-729.16	-1035.72
7	GUIDE	used	985139296	9.80	6997	-0.265	-0.298	0.134	0.225	358.295454	-32.492548	2365.25	1784.65

2.4 Star Slots

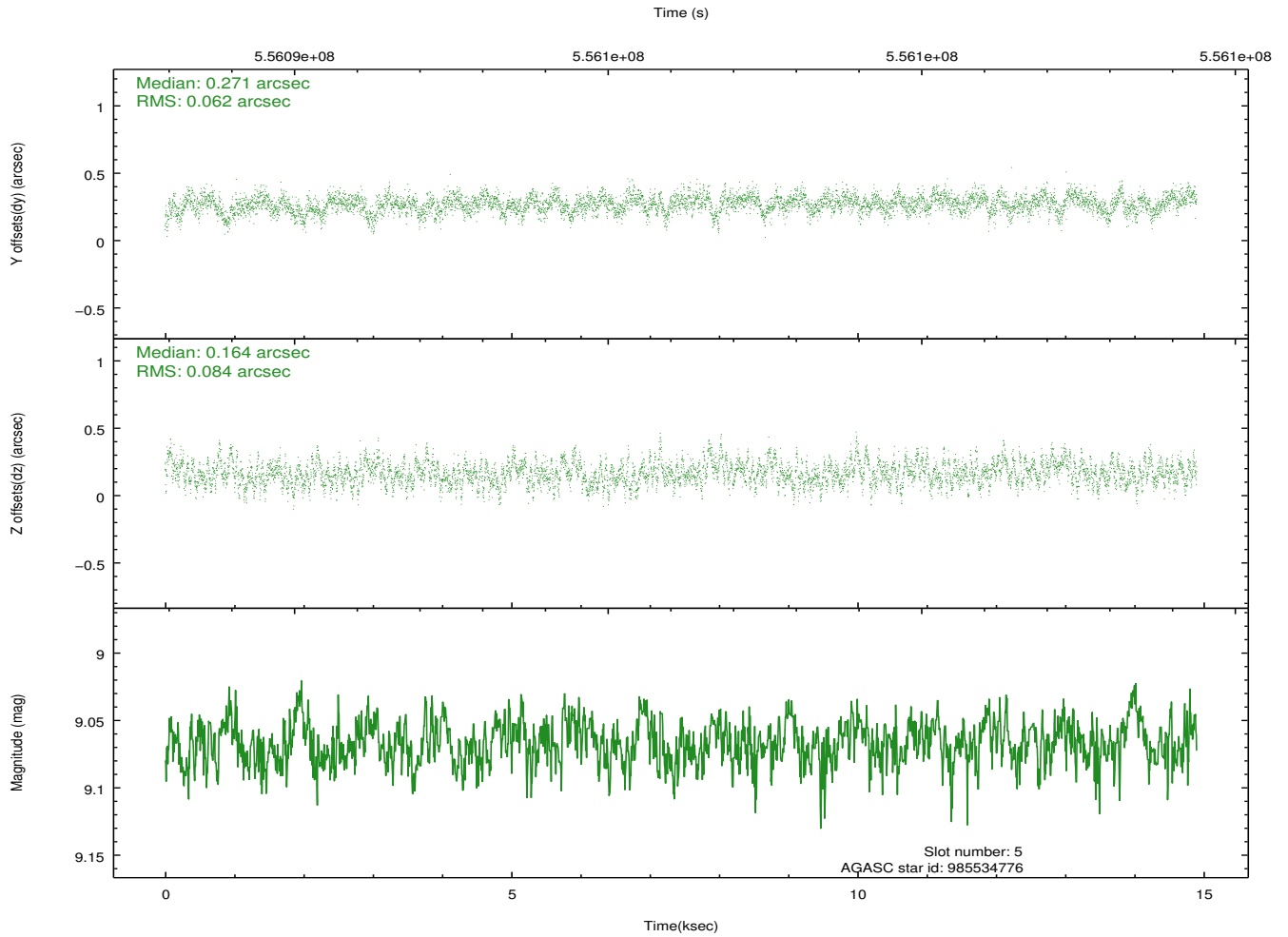
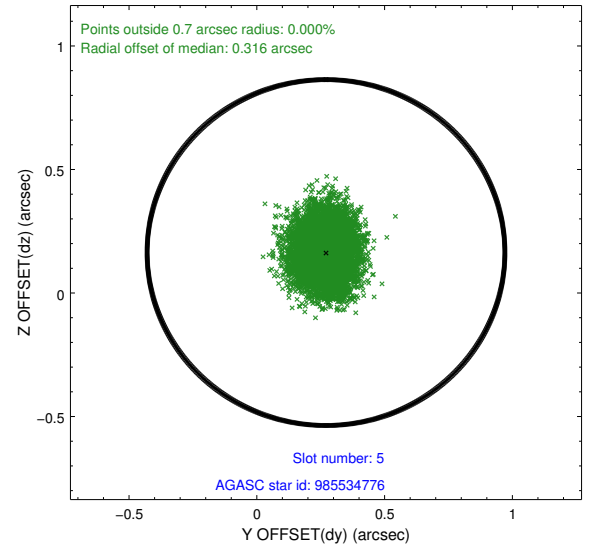
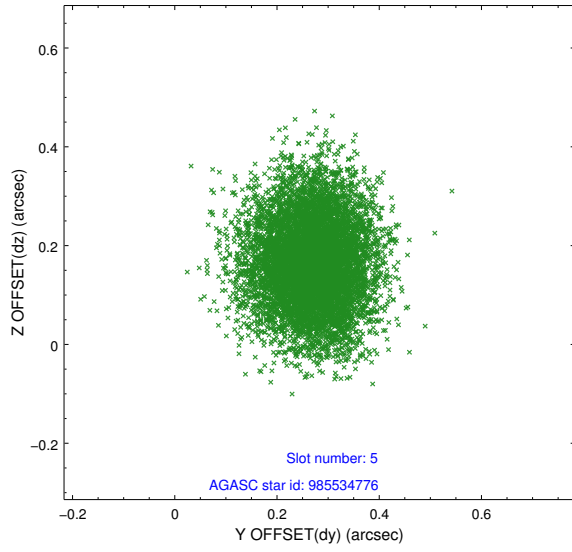
2.4.1 Slot 3



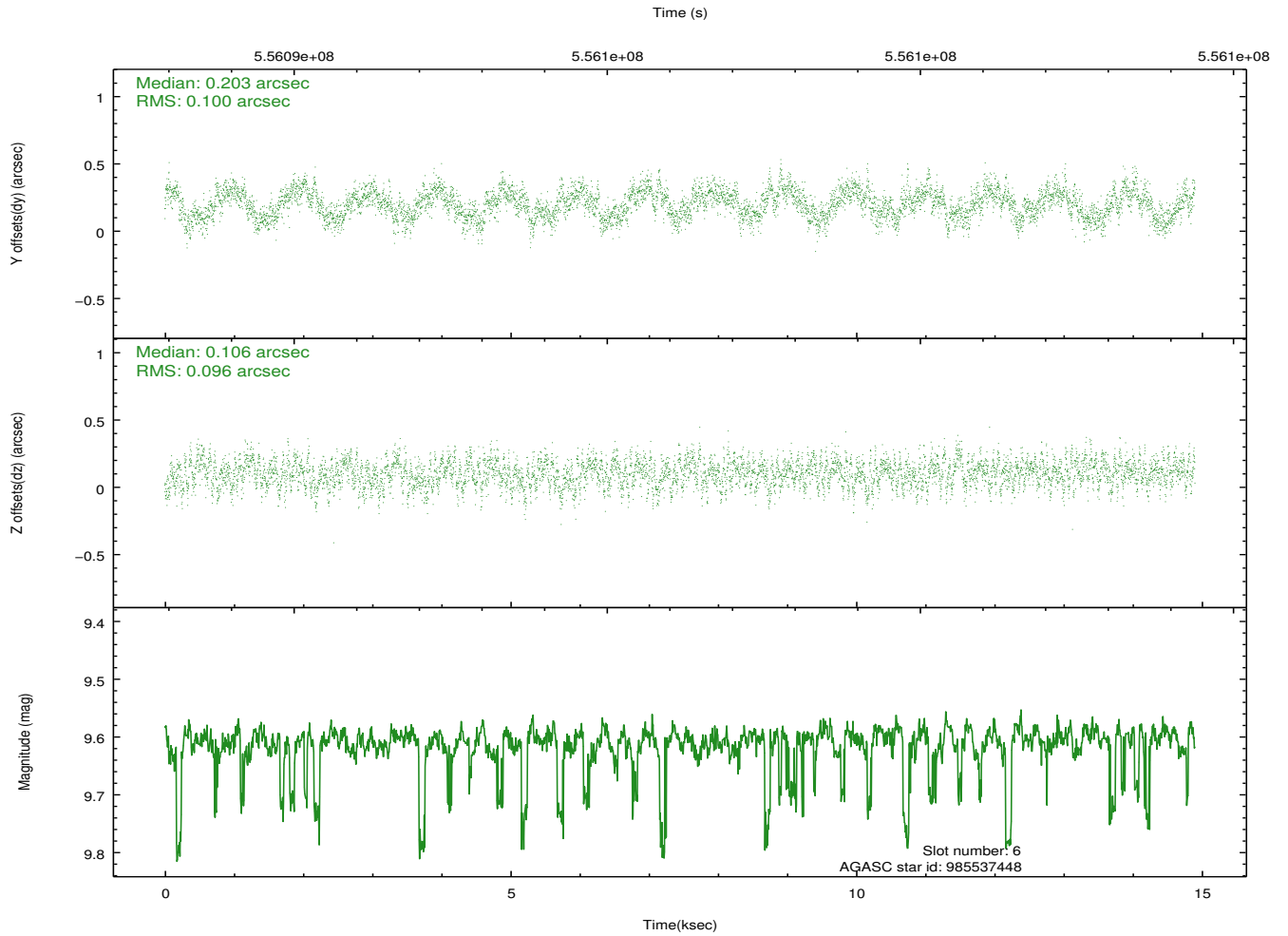
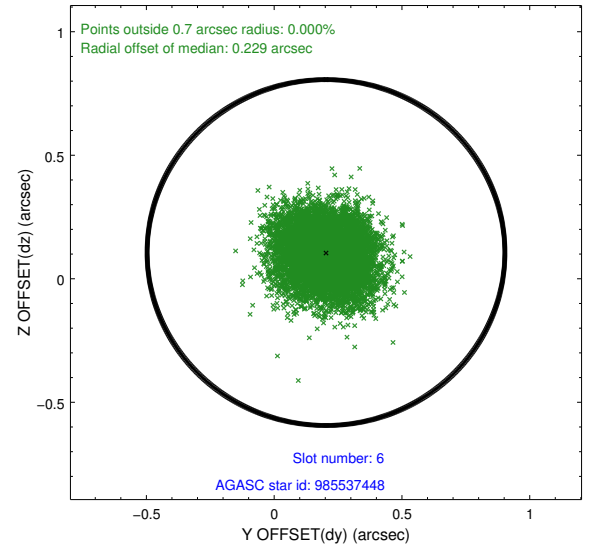
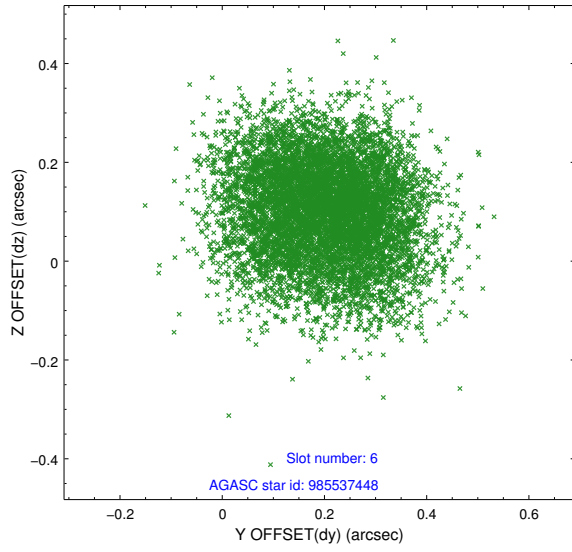
2.4.2 Slot 4



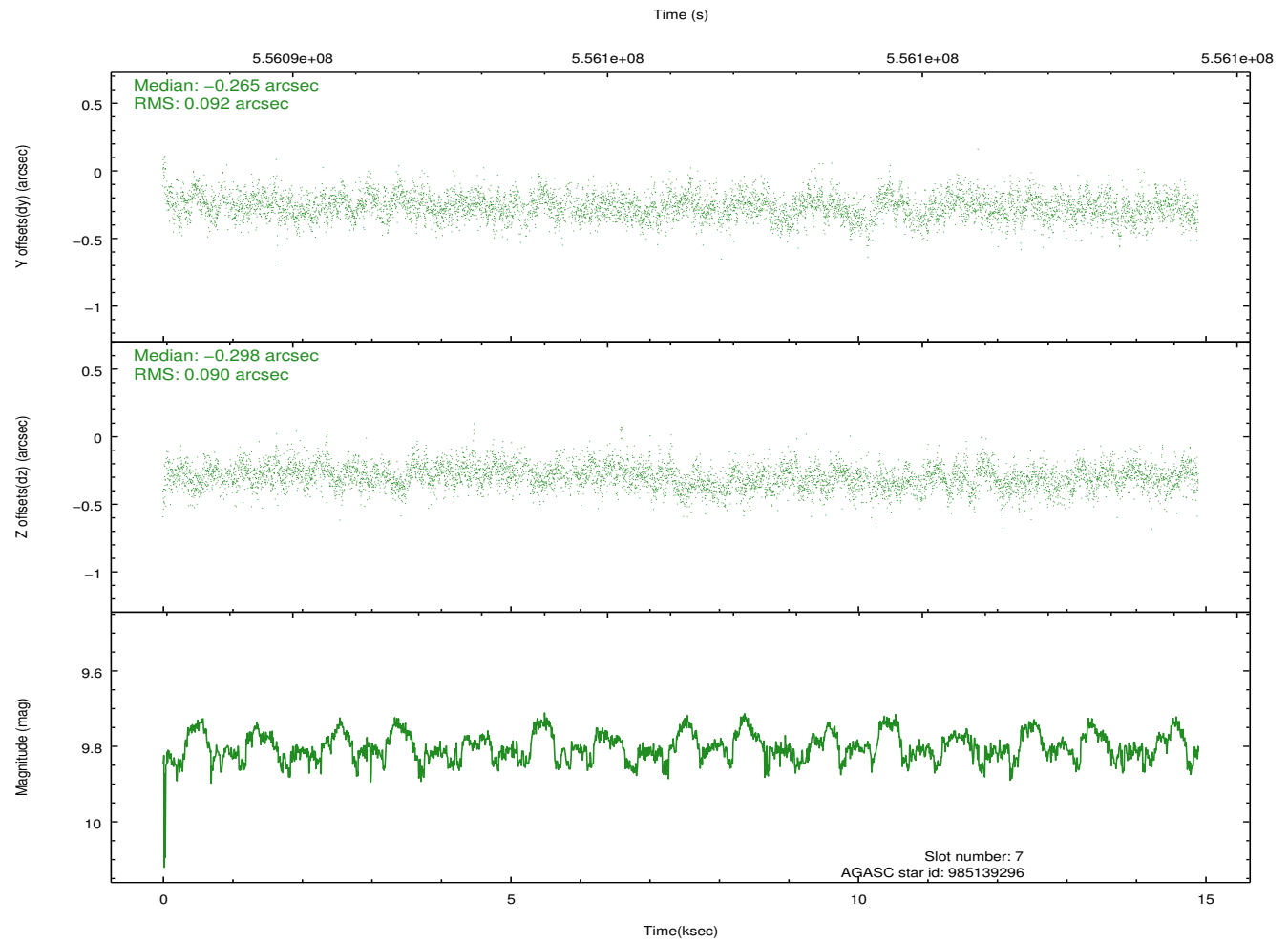
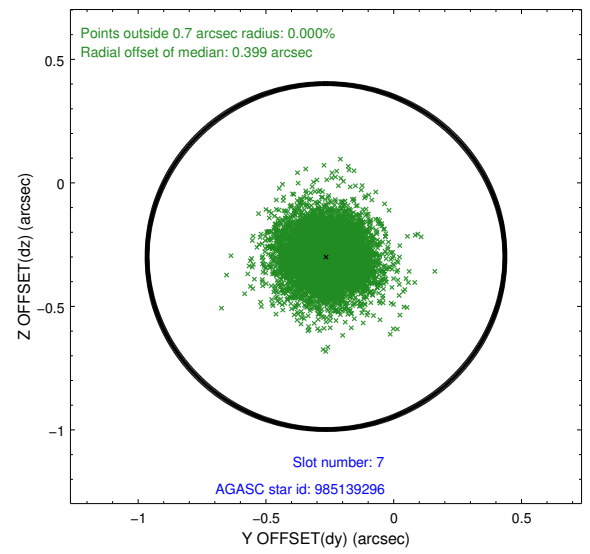
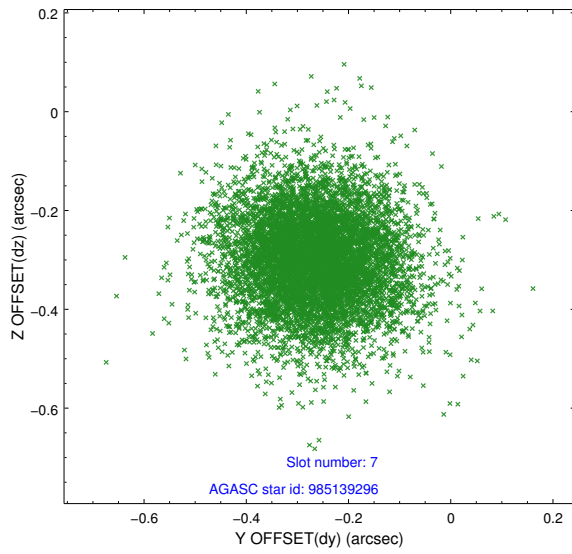
2.4.3 Slot 5



2.4.4 Slot 6

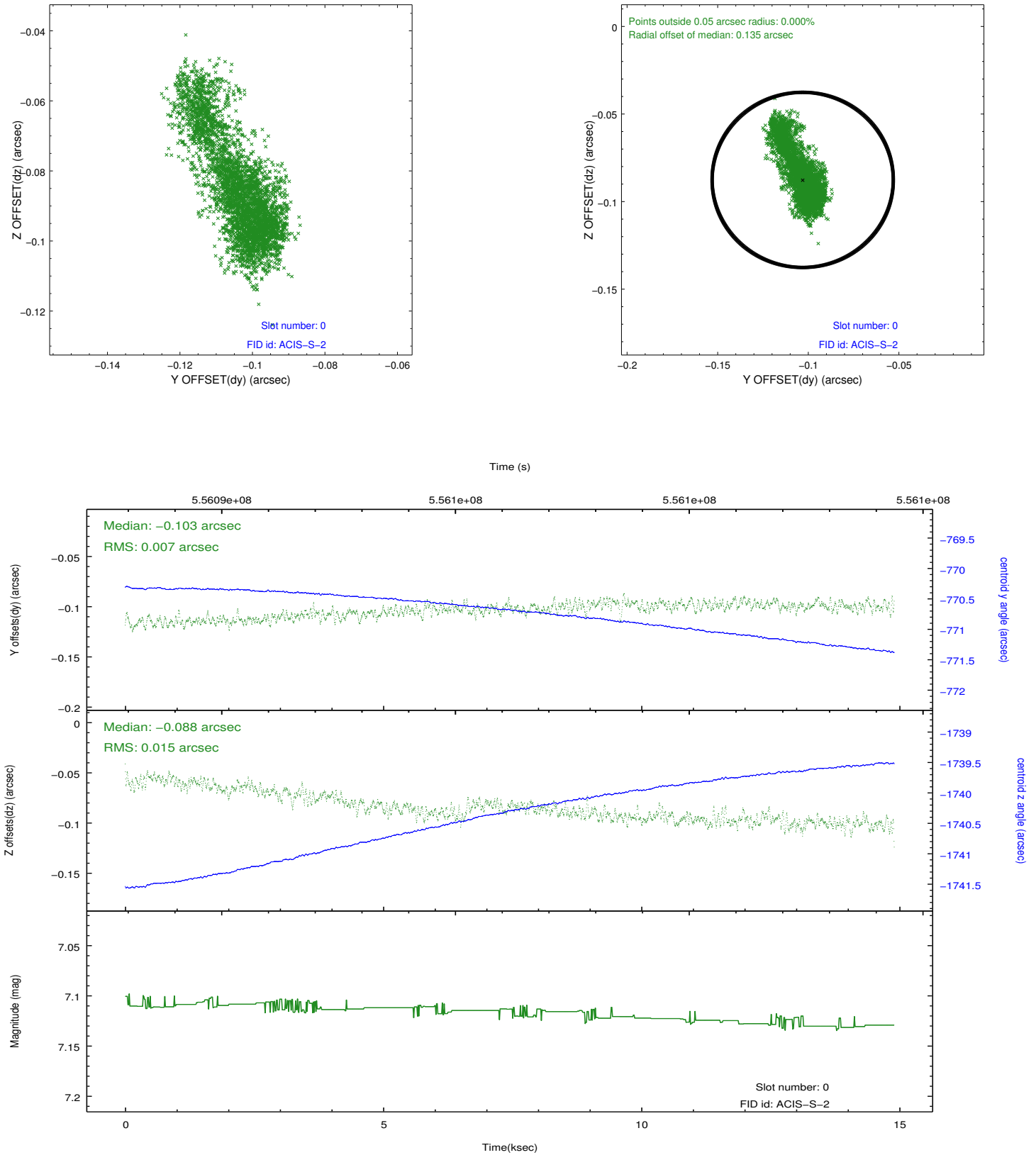


2.4.5 Slot 7

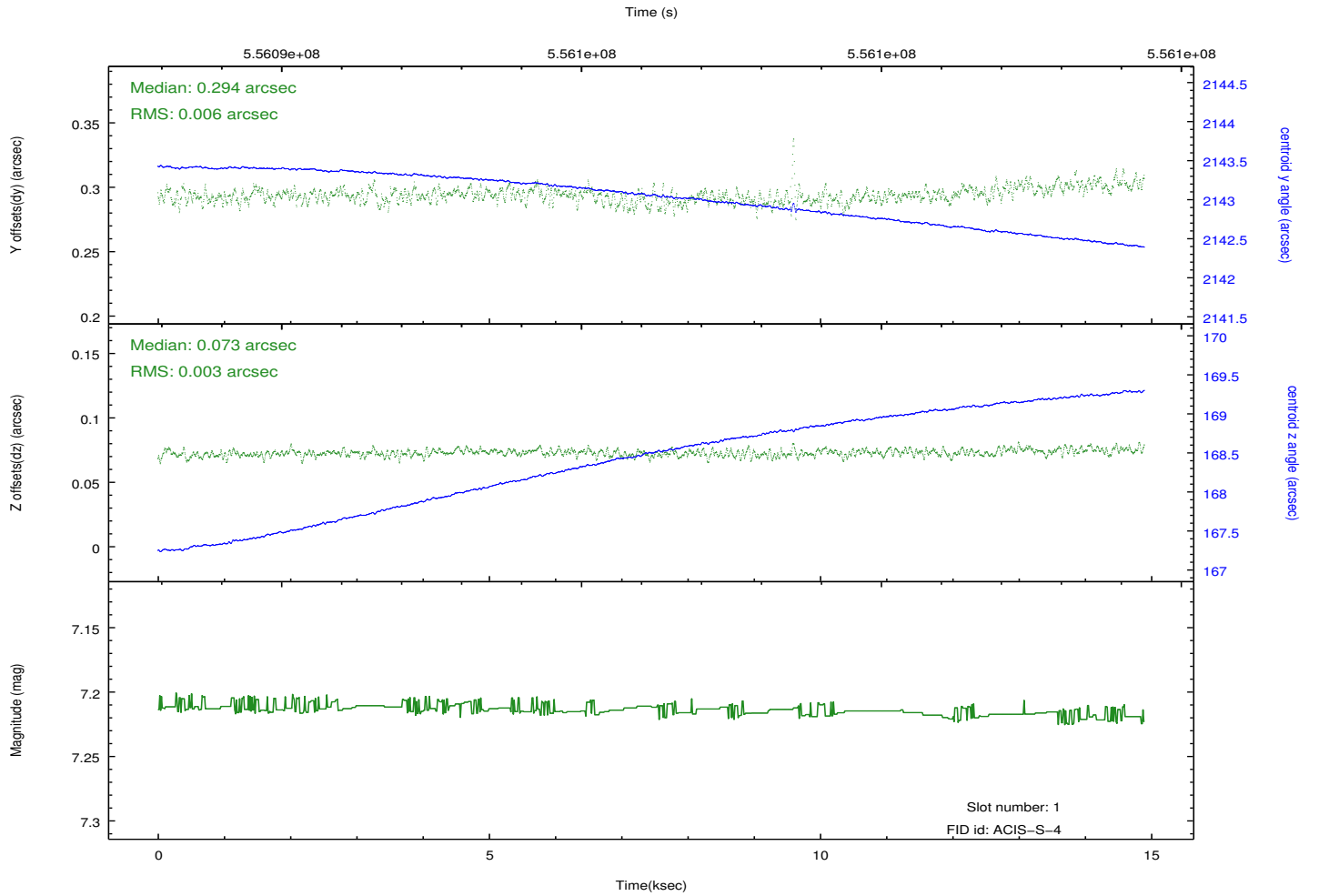
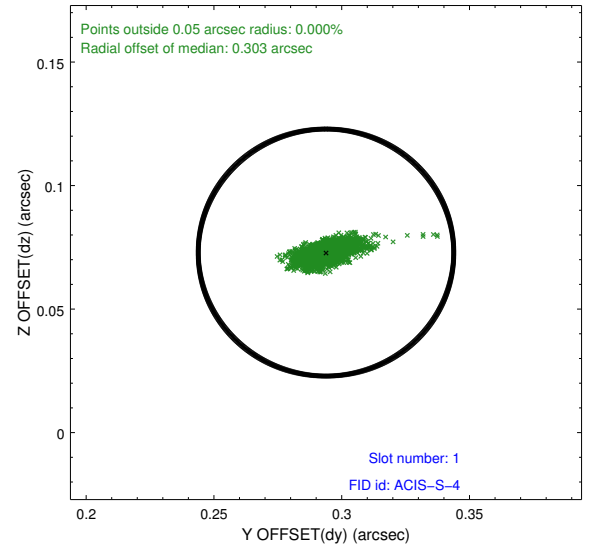
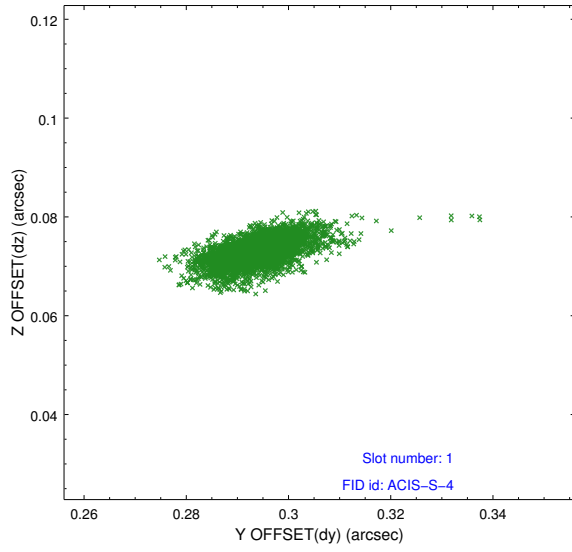


2.5 FID Slots

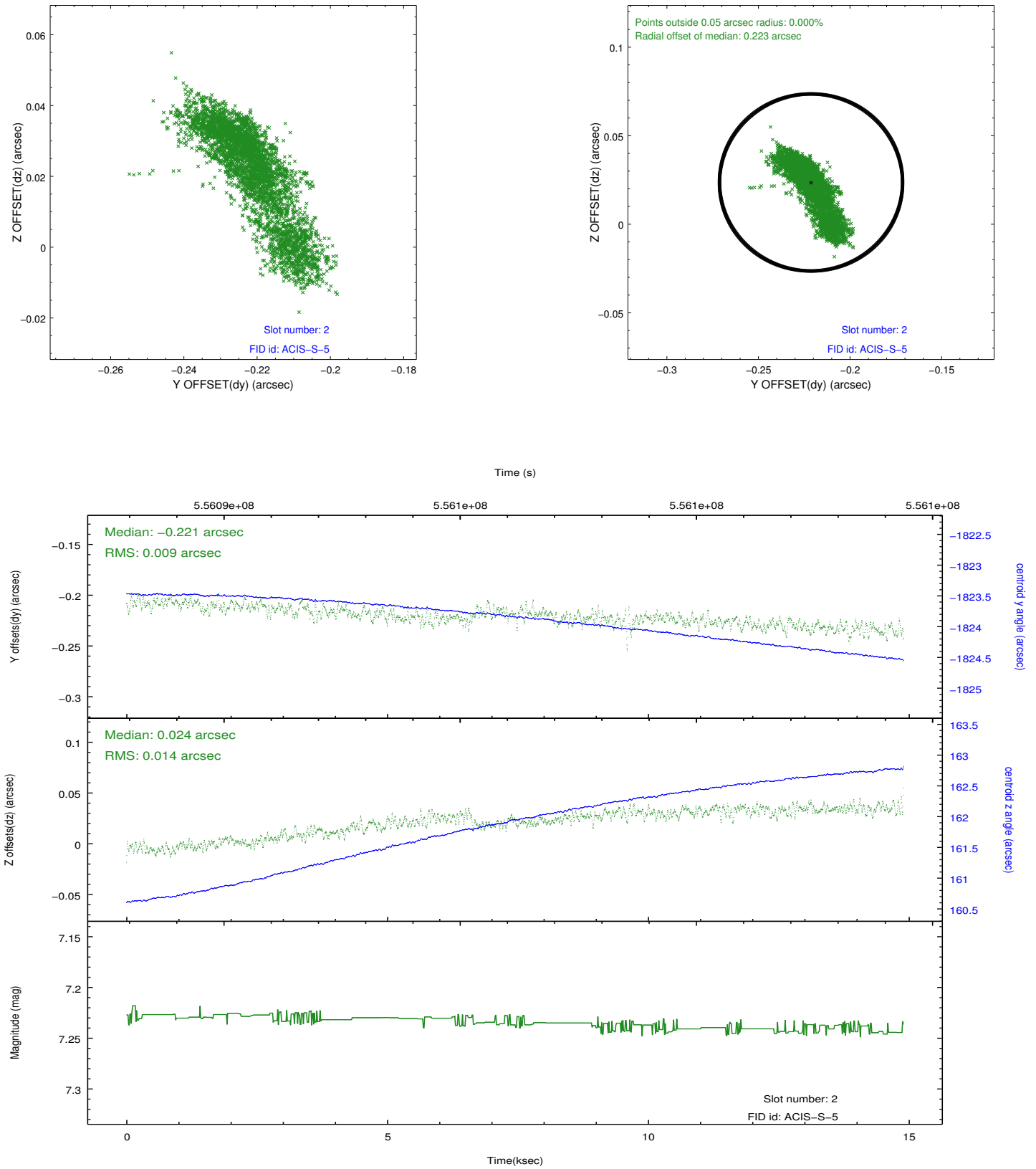
2.5.1 Slot 0



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)	2015.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.700800219059

A.2 Comments