

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 16763 - L2 Version 1
Chandra X-Ray Center

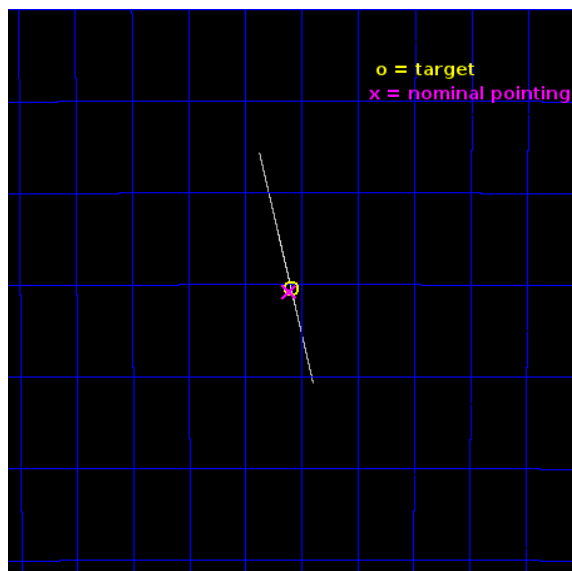
L2 Processing Date : Oct 13 2015

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1 Front

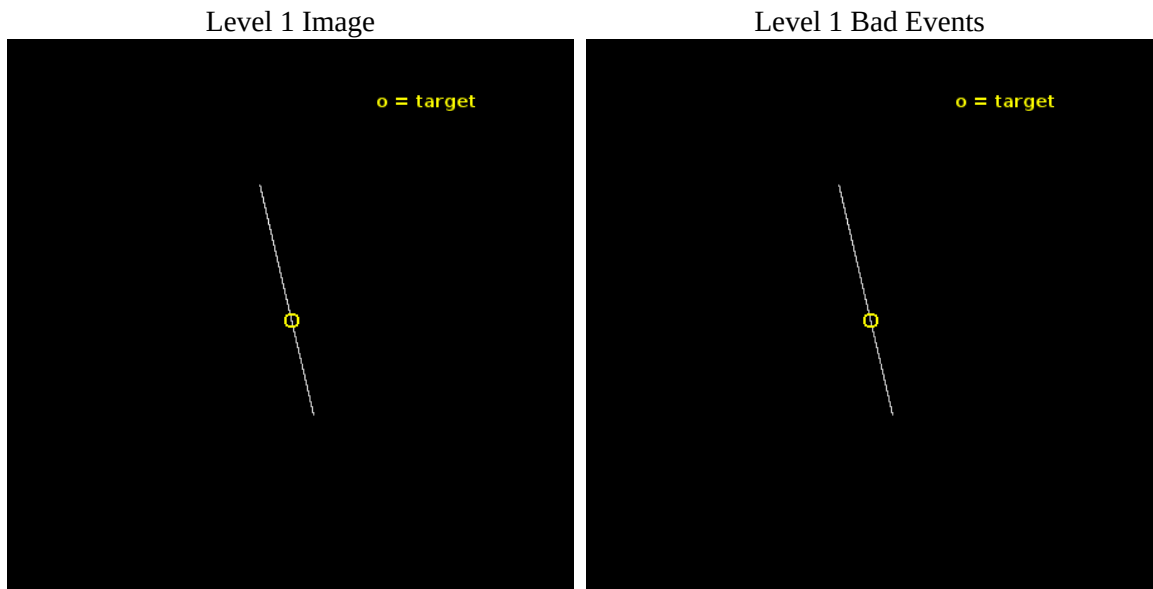
seq_num	502281	Sequence number
obs_id	16763	Observation id
title	The Energetic Magnetar in HESS J1713-381/CTB 37B	Proposal title
observer	Prof. Jules Halpern	Principal investigator
object	CXOU J171405.7-381031	Source name
ra_targ	258.52375	Observer's specified target RA [deg]
dec_targ	-38.17525	Observer's specified target Dec [deg]
ra_nom	258.5268205046	Nominal RA [deg]
dec_nom	-38.180102178626	Nominal Dec [deg]
roll_nom	257.33340318881	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19243.75	Sum of GTIs [s]
livetime	19168.579101562	Livetime [s]
ontime6	19243.75	Sum of GTIs [s]
ontime7	19243.75	Sum of GTIs [s]
ontime8	19243.75	Sum of GTIs [s]
l2events	100033	Number of level 2 events



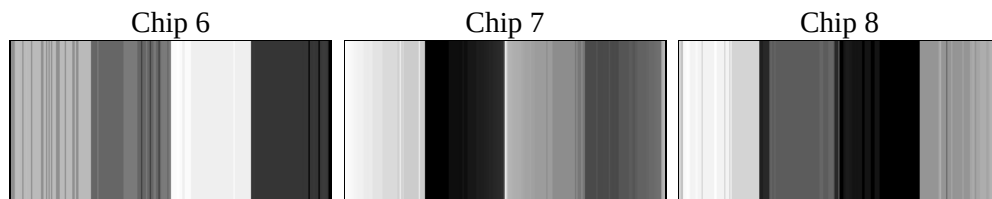
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19088.323000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	19243.75	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime6	19243.75	Sum of GTIs [s]
date	2015-10-13T20:00:20	Date and time of file creation	ontime7	19243.75	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	19243.75	Sum of GTIs [s]
			l1events	650113	Number of level 1 events

2.1.4 Events

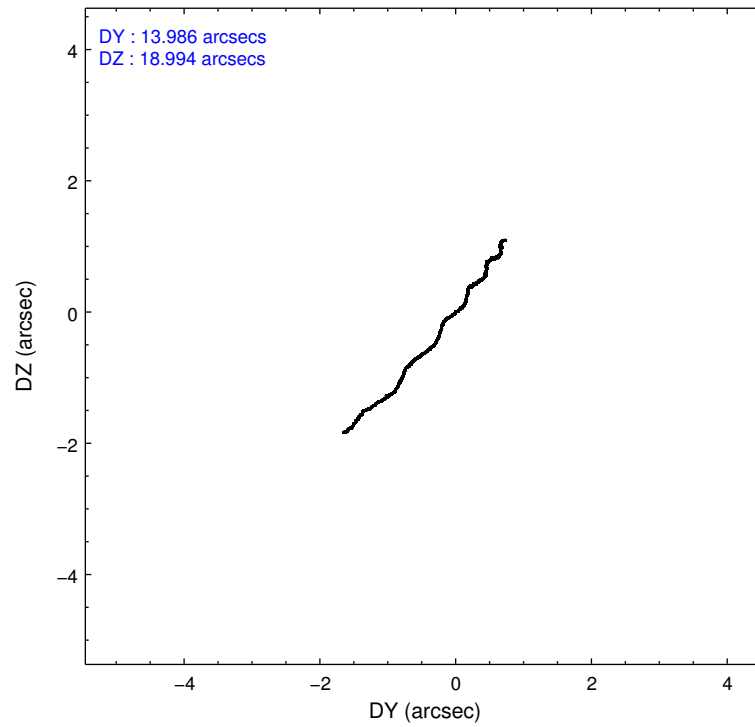
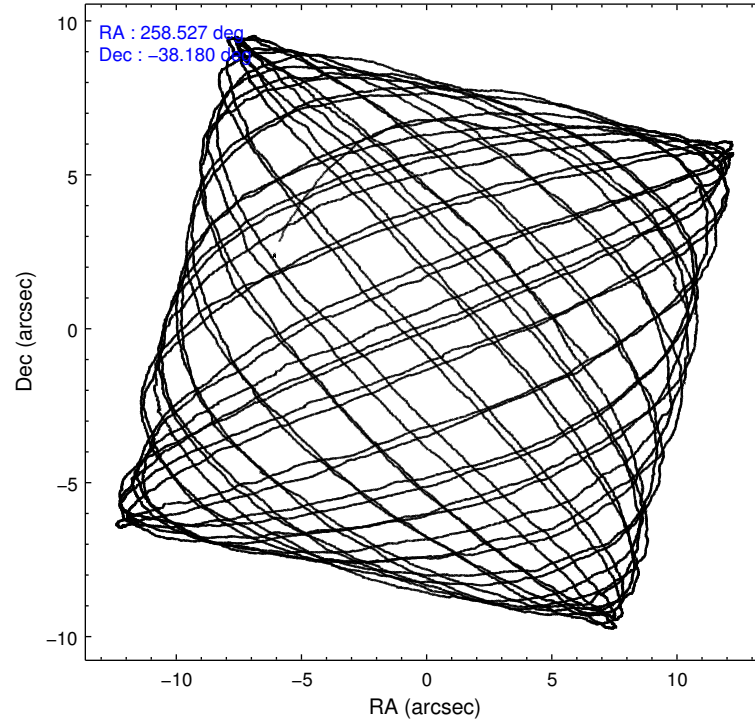
	ccd 6	ccd 7	ccd 8
level 1 events	174941	201634	273538
rejected events	154949	135078	224786
rejected %	88%	66%	82%

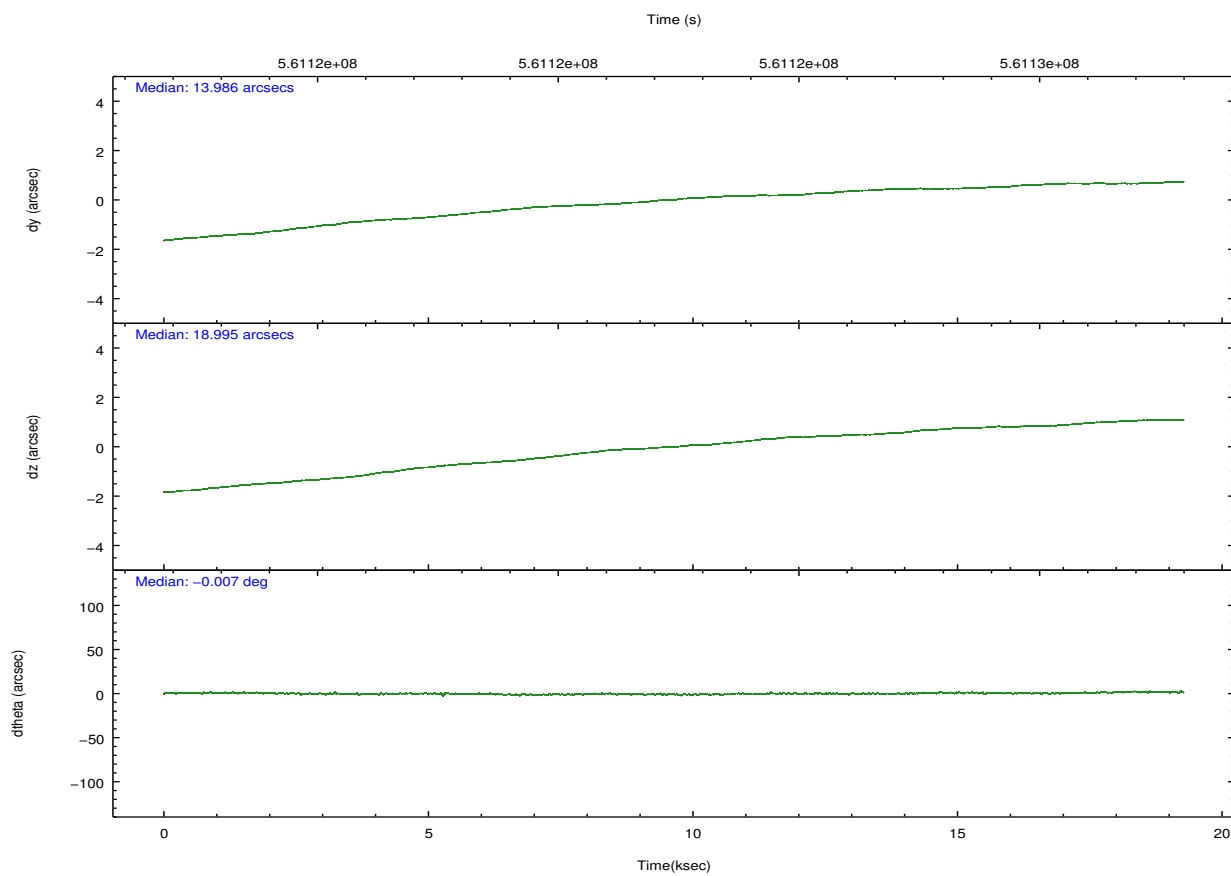
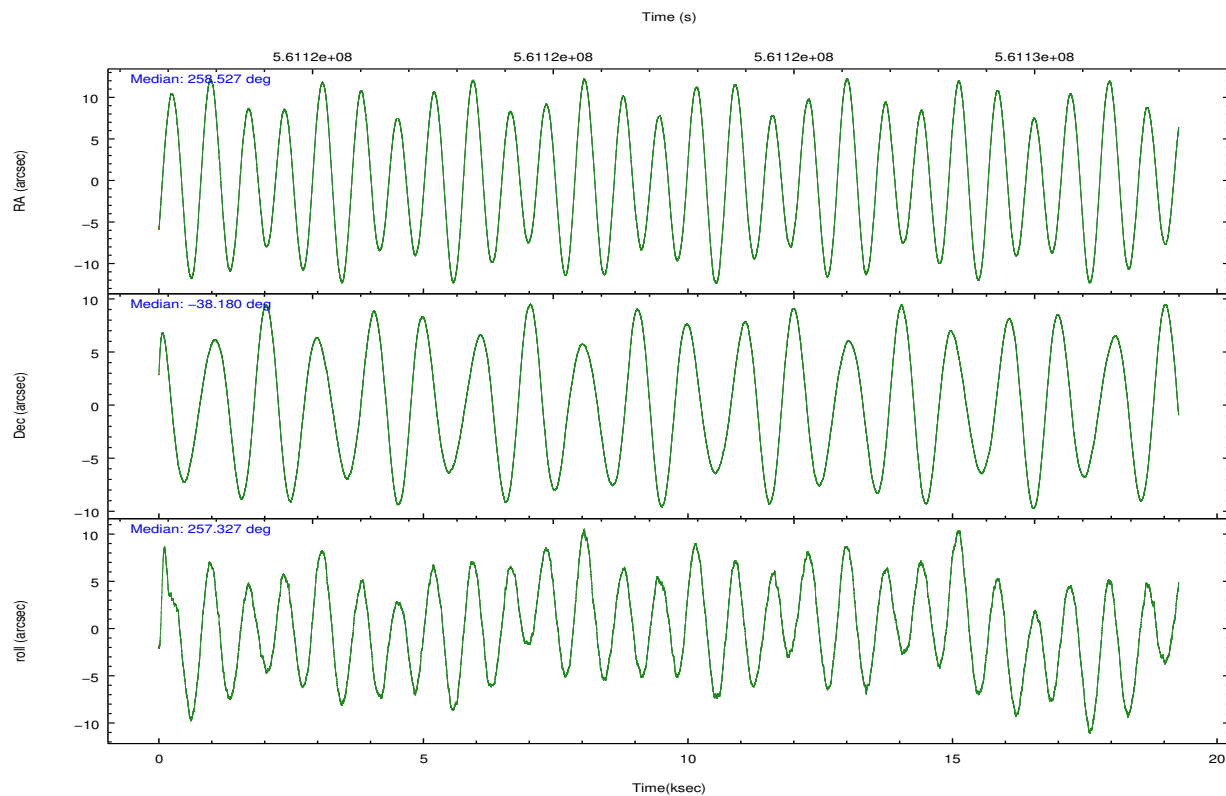
	ccd 6	ccd 7	ccd 8
grade 0 events	2234	4905	10586
	1%	2%	3%
grade 1 events	87	177	223
	0%	0%	0%
grade 2 events	8237	17947	14810
	4%	8%	5%
grade 3 events	2264	3561	5141
	1%	1%	1%
grade 4 events	2106	3319	4994
	1%	1%	1%
grade 5 events	5307	13245	8144
	3%	6%	2%
grade 6 events	5153	36842	13226
	2%	18%	4%
grade 7 events	149553	121638	216414
	85%	60%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	258.515985	258.5268205046002	CCD I2 on	N	N
[deg] Pointing Dec	-38.154035	-38.18010217862571	CCD I3 on	N	N
[deg] Pointing Roll	257.170084	257.3334031888068	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	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	O1	Y
[s] Observation start time (MET)	561112955.184000	561111858.31257	CCD S5 on	N	N
Observation start date	2015-10-13T08:41:27	2015-10-13T08:24:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	561132043.184000	561132271.18872	On-chip summing requested	N	N
Observation end date	2015-10-13T13:59:35	2015-10-13T14:04:31	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



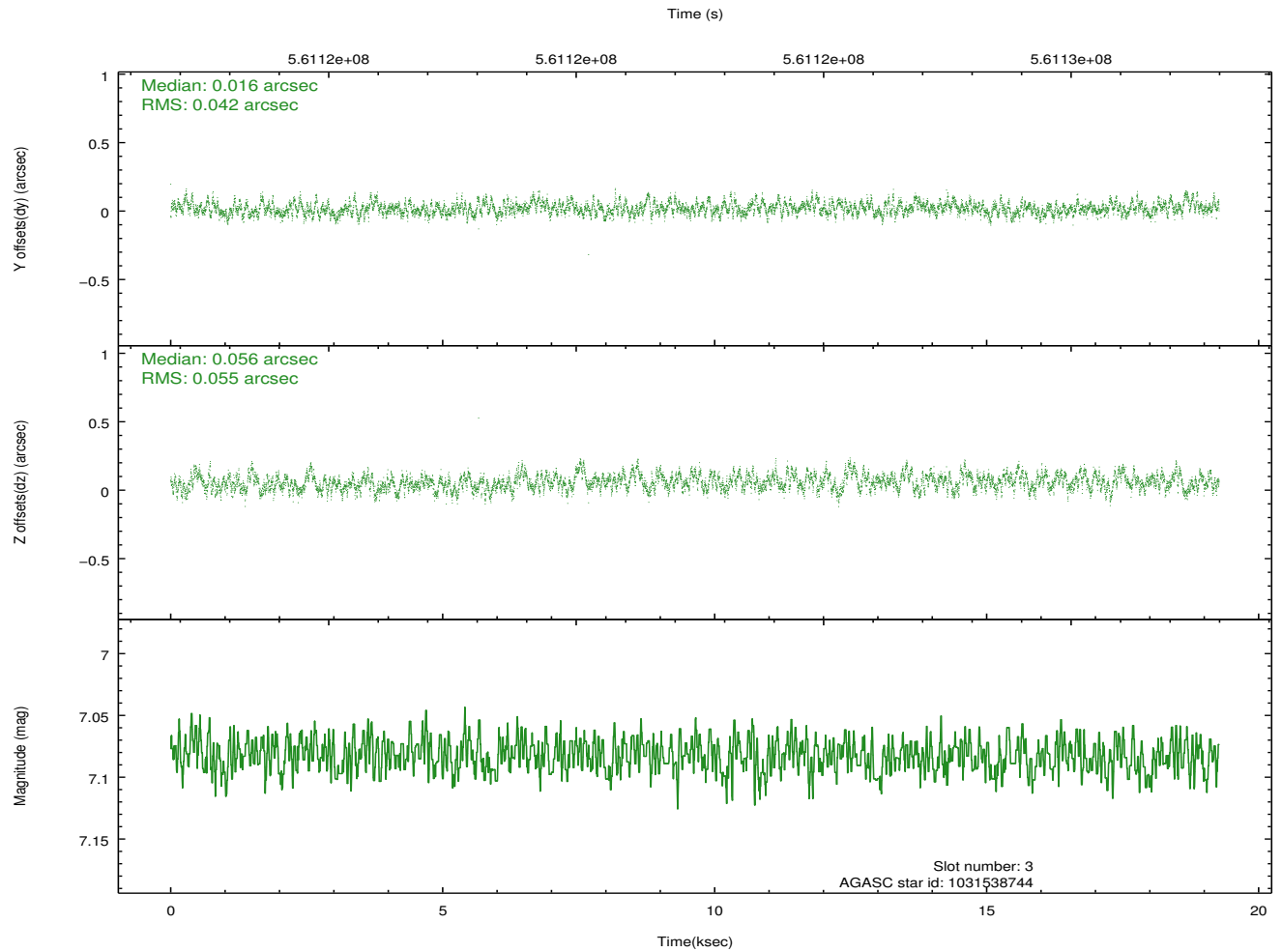
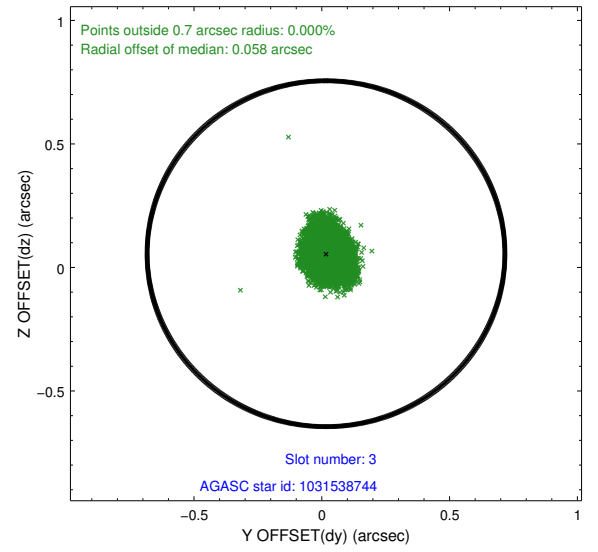
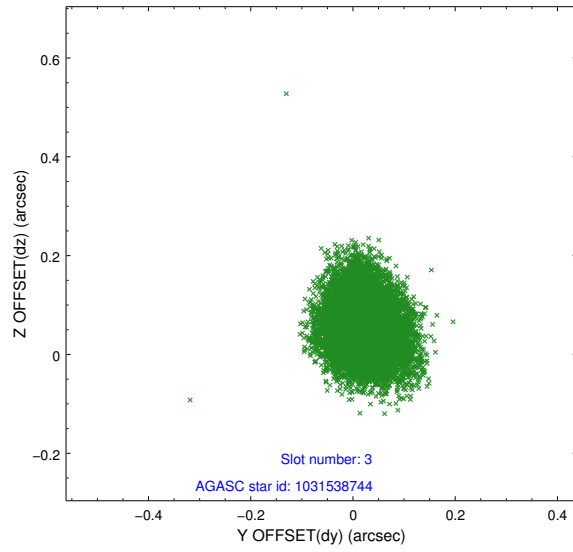


Slot Statistics

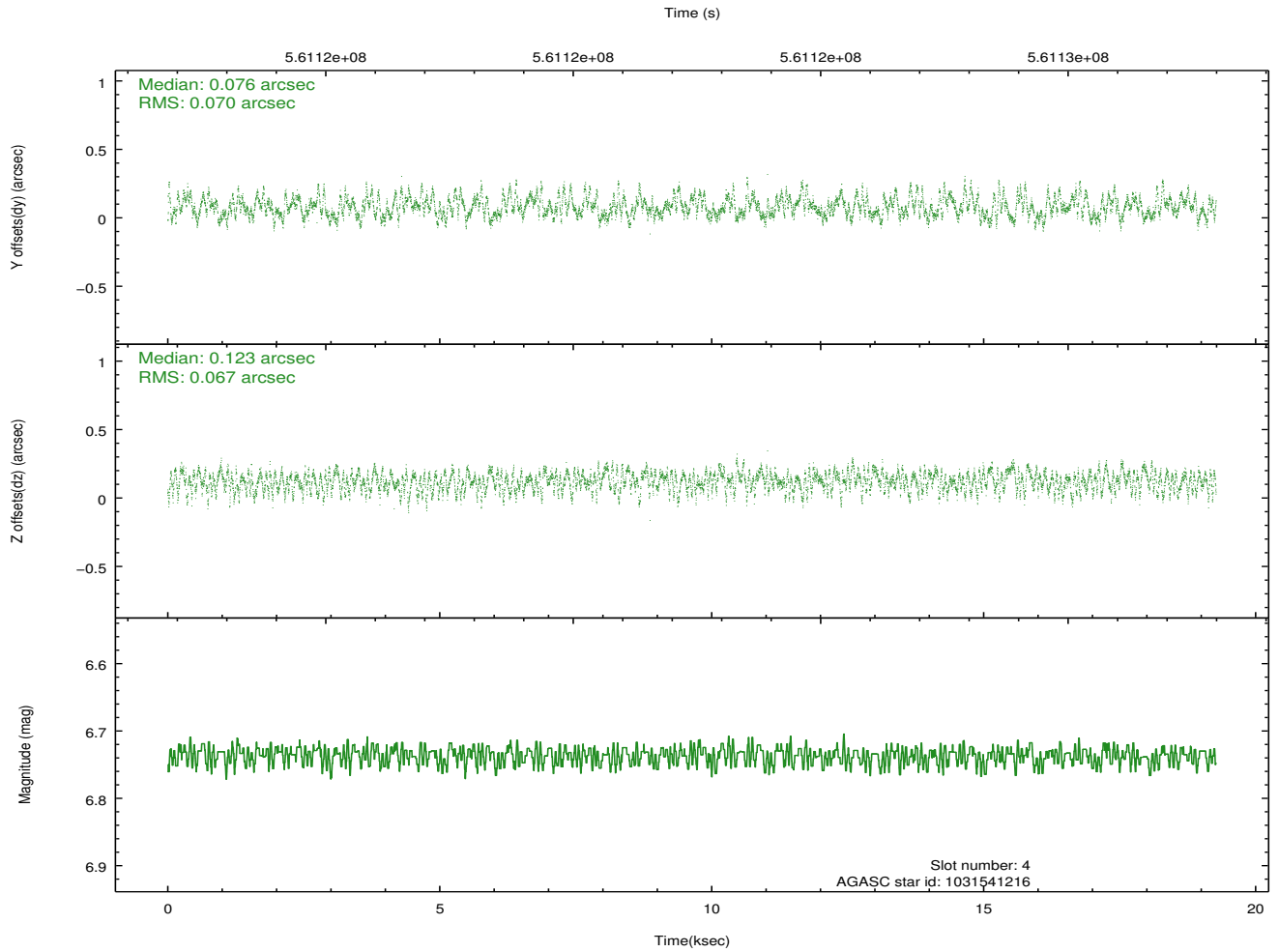
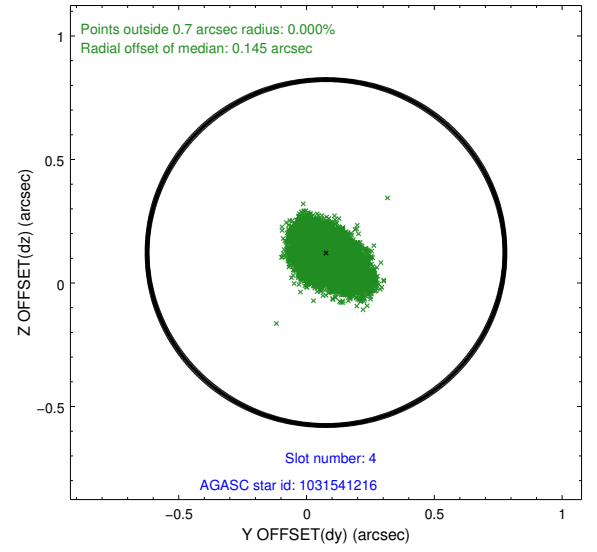
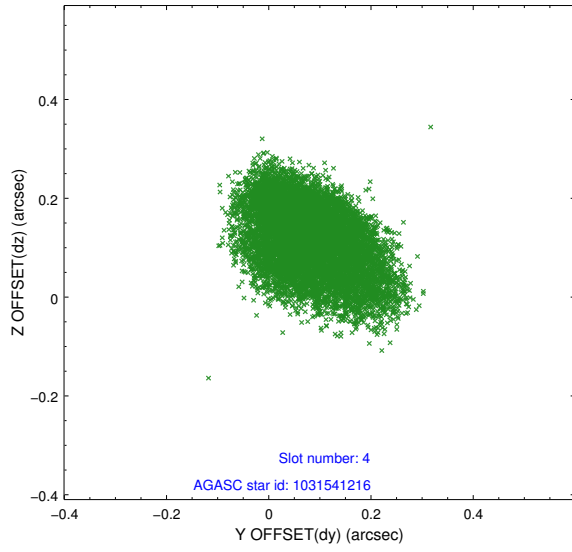
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	4699	0.151	-0.086	0.027	0.034	0.000000	0.000000	929.49	-1735.97
1	FID		ACIS-S-5	7.23	4701	-0.305	0.080	0.027	0.044	0.000000	0.000000	-1819.91	161.45
2	FID		ACIS-S-6	7.34	4702	0.137	0.012	0.045	0.060	0.000000	0.000000	394.71	805.64
3	GUIDE	used	1031538744	7.08	9403	0.016	0.056	0.075	0.119	257.905000	-37.853256	-663.69	-1932.47
4	GUIDE	used	1031541216	6.74	9403	0.076	0.123	0.102	0.169	258.289266	-37.952377	-563.66	-788.55
5	GUIDE	used	1031549480	7.83	9397	-0.239	-0.023	0.065	0.105	258.859583	-38.394348	629.98	1137.90
6	GUIDE	used	1031545136	8.61	9398	0.011	0.002	0.100	0.164	259.045363	-38.336683	313.64	1604.79
7	GUIDE	used	1031548472	8.94	9399	0.133	-0.155	0.113	0.177	259.314508	-38.202426	-321.99	2243.57

2.4 Star Slots

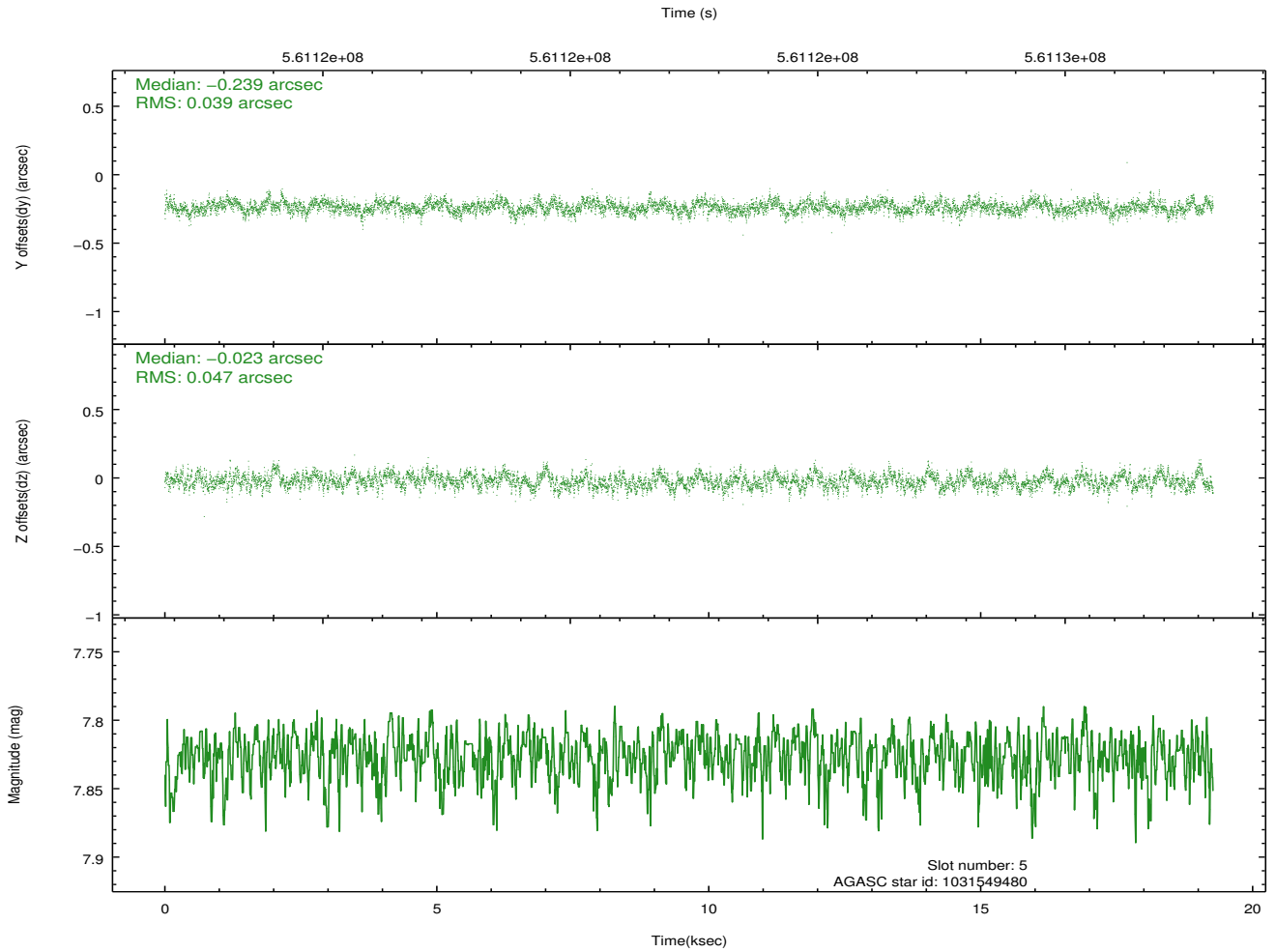
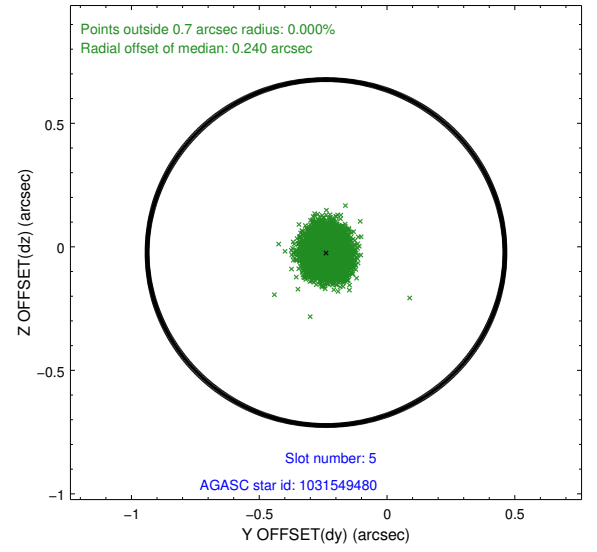
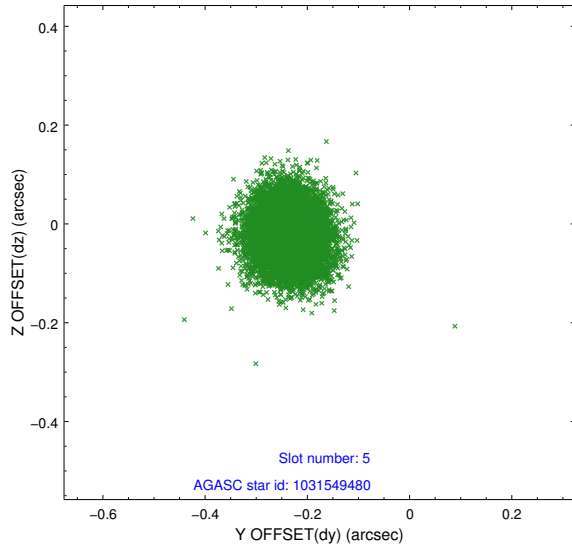
2.4.1 Slot 3



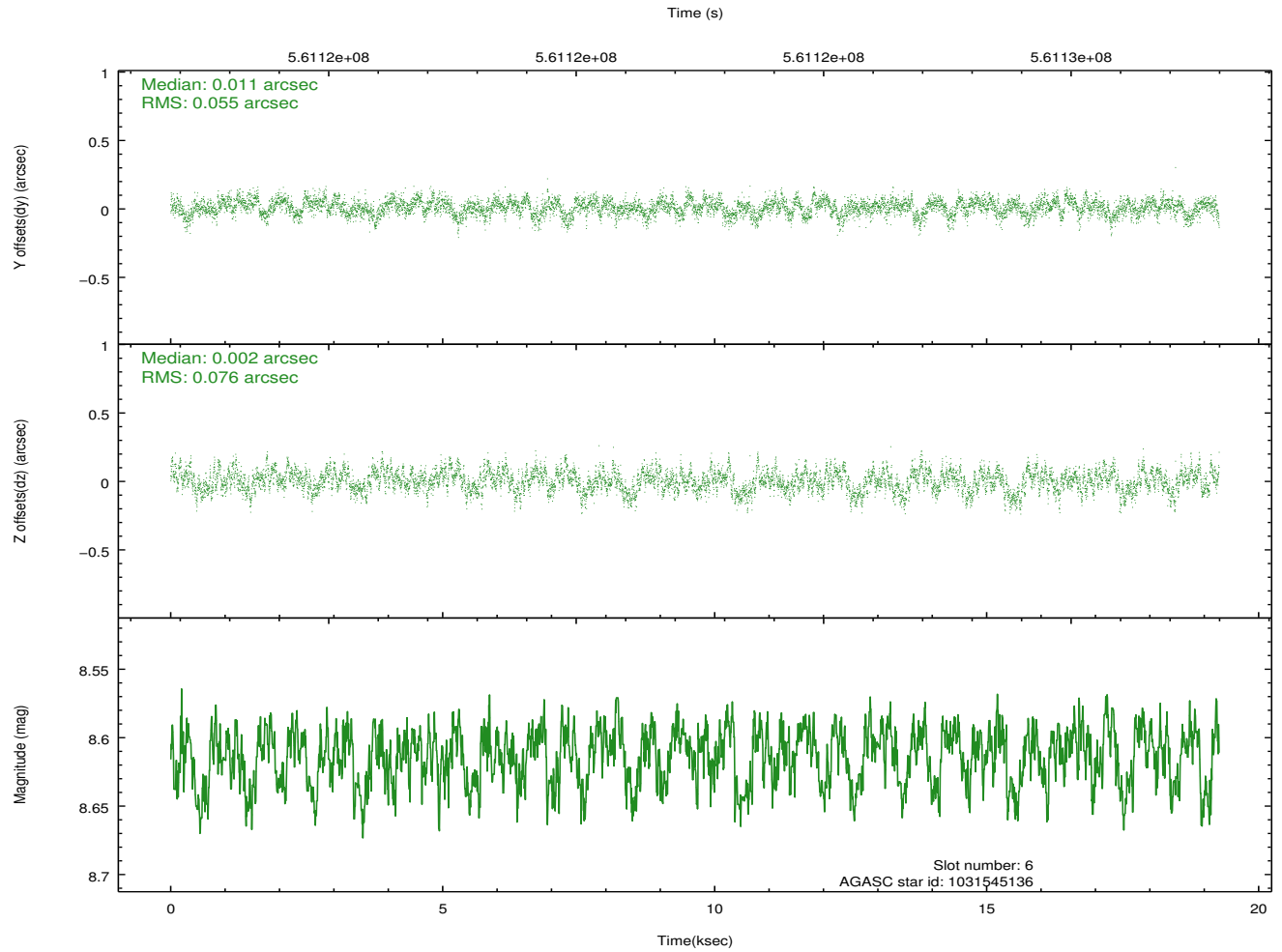
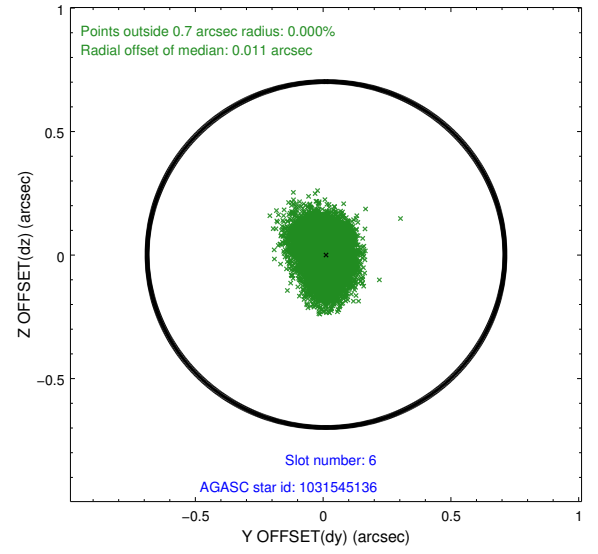
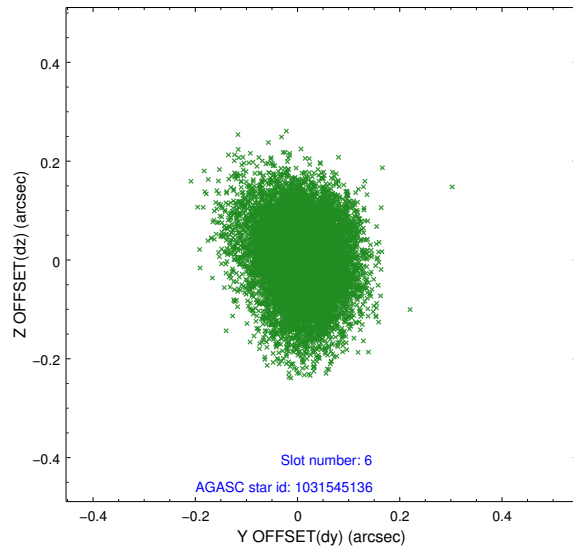
2.4.2 Slot 4



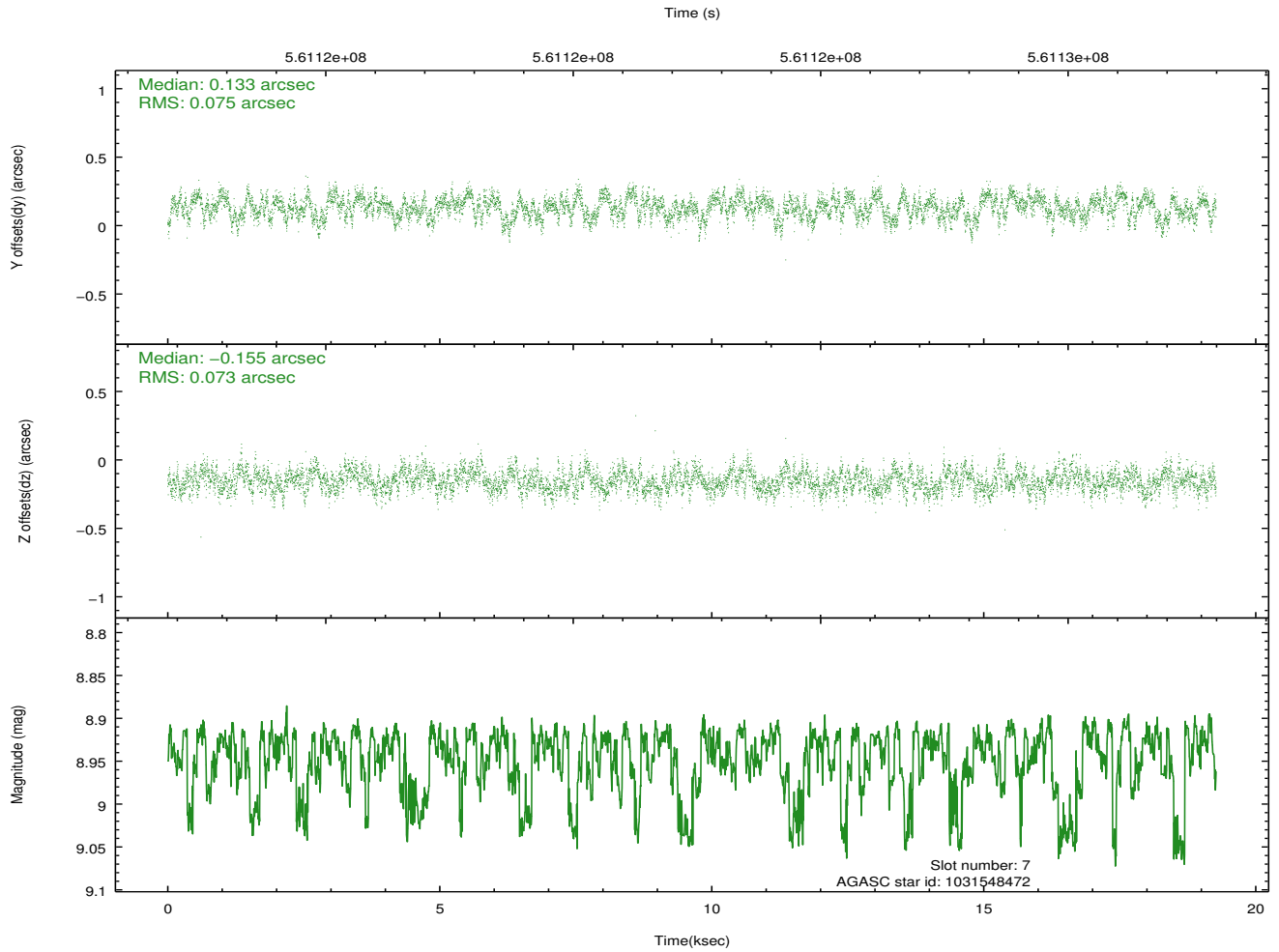
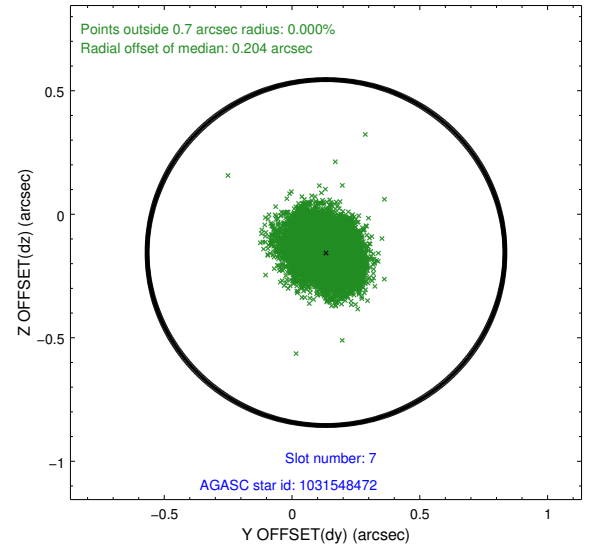
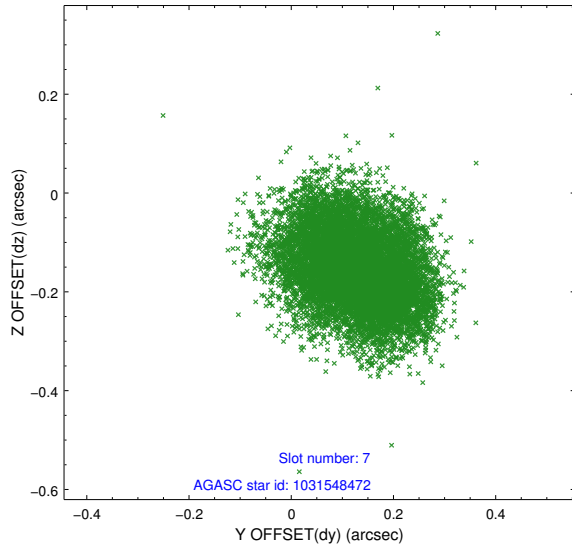
2.4.3 Slot 5



2.4.4 Slot 6

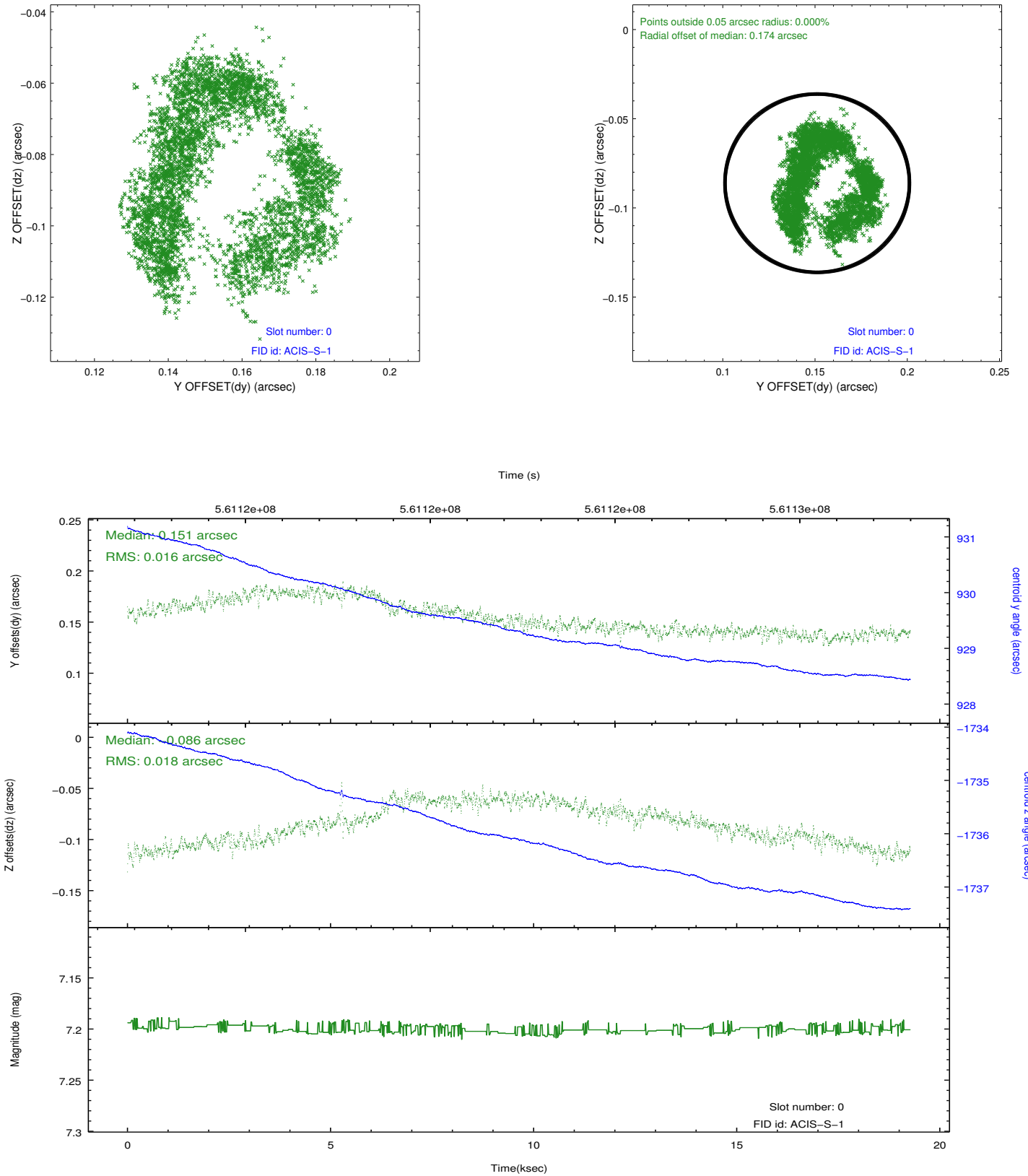


2.4.5 Slot 7

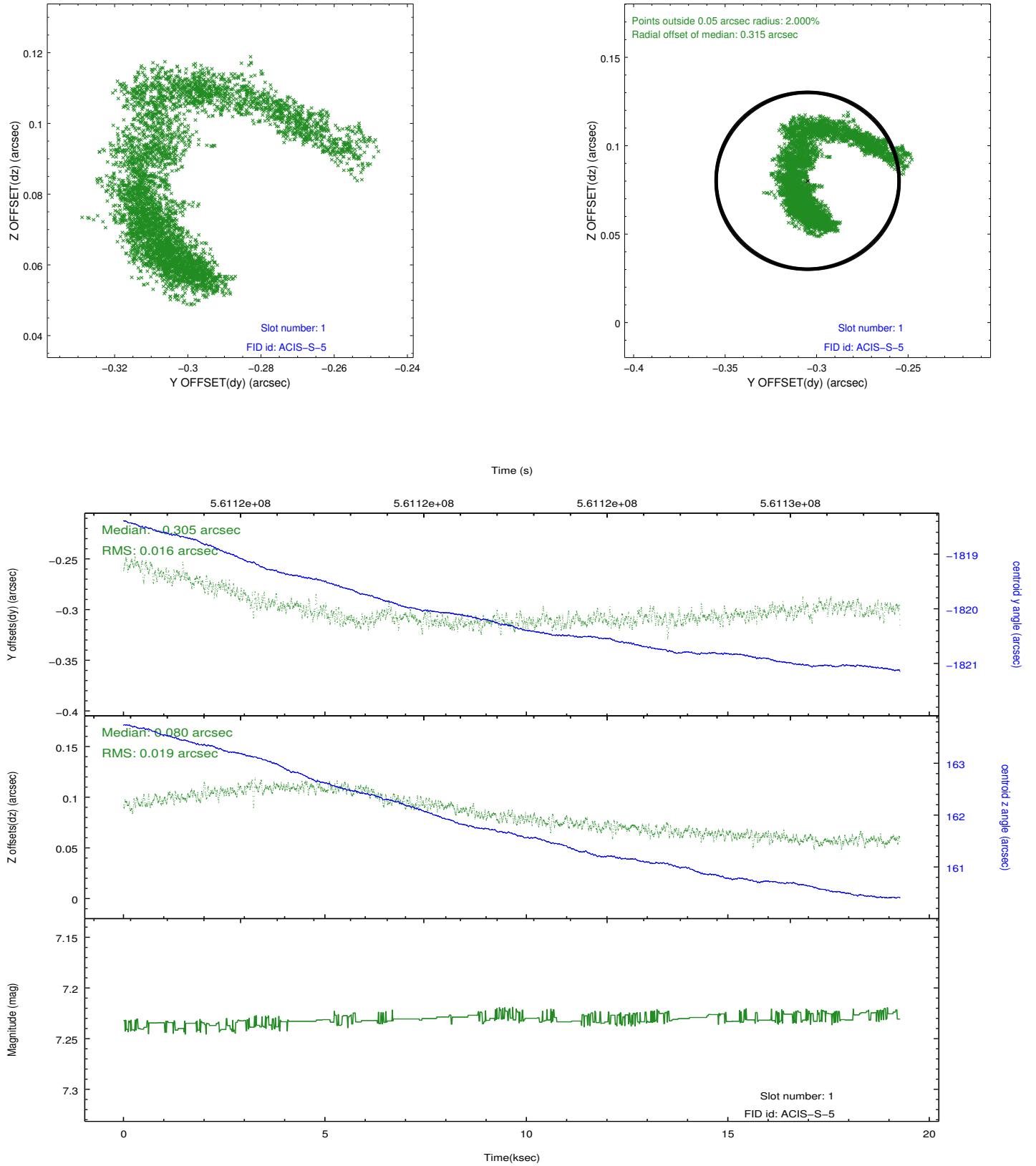


2.5 FID Slots

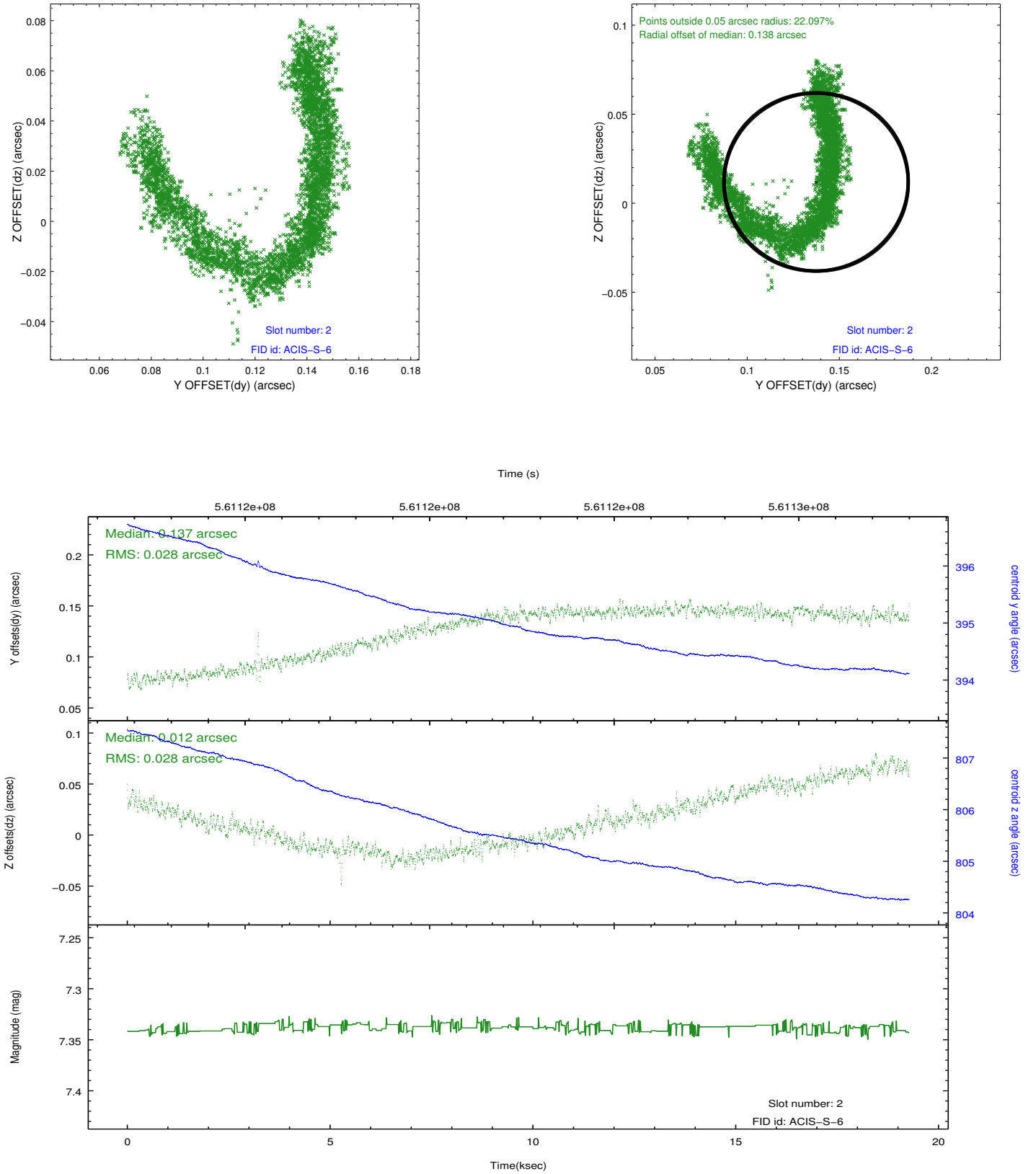
2.5.1 Slot 0



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)	2015.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.24375

A.2 Comments