

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17583 - L2 Version 1
Chandra X-Ray Center

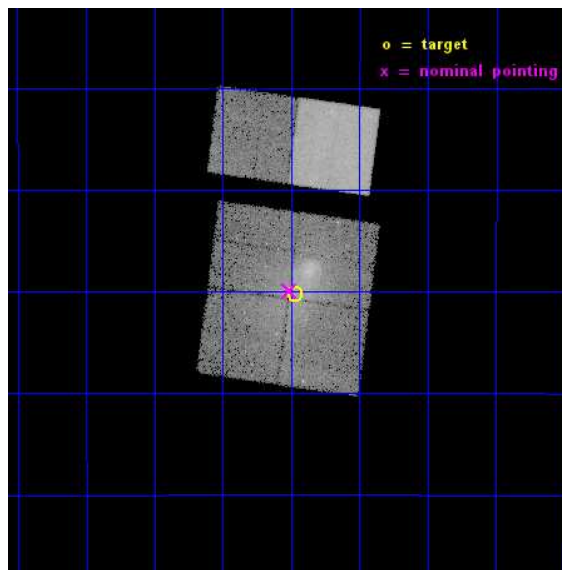
L2 Processing Date : Jan 23 2015

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1 Front

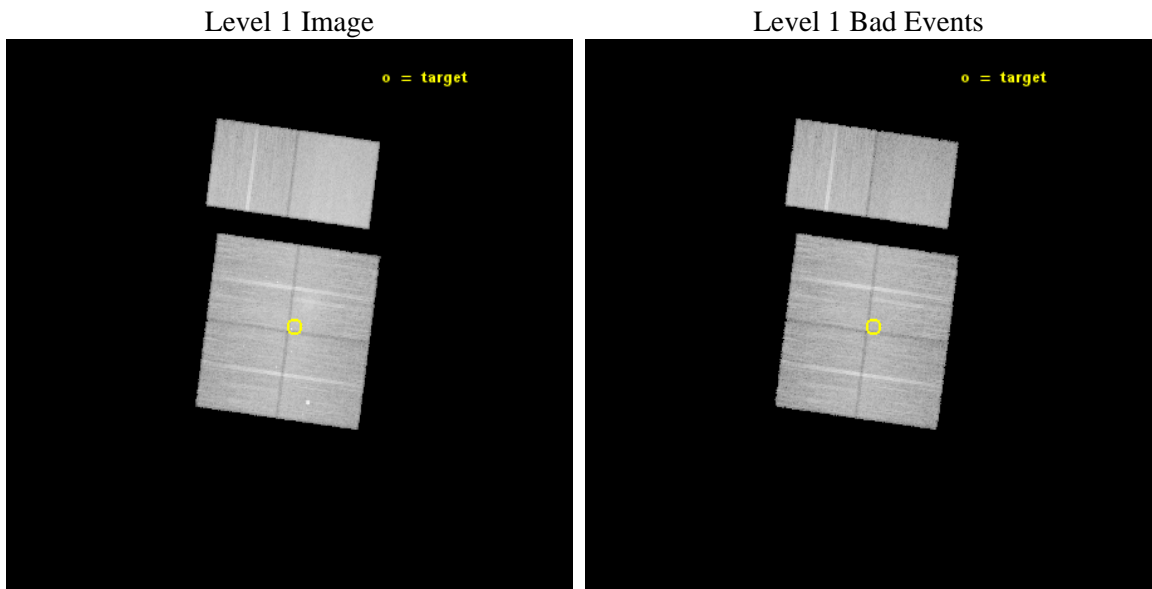
seq_num	801476	Sequence number
obs_id	17583	Observation id
title	Abell 3411: Confronting the Relic Shock Acceleration Mystery	Propo
observer	Dr Reinout van Weeren	Principal investigator
object	Abell 3411	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.49375	Observer's specified target RA [deg]
dec_targ	-17.503472	Observer's specified target Dec [deg]
ra_nom	130.50313180041	Nominal RA [deg]
dec_nom	-17.498964199153	Nominal Dec [deg]
roll_nom	7.7115024811026	Nominal Roll [deg]
revision	1	Processing version of data
ontime	31968.00047636	Sum of GTIs [s]
livetime	31563.20240551	Livetime [s]
ontime0	31964.759456038	Sum of GTIs [s]
ontime1	31968.00047636	Sum of GTIs [s]
ontime2	31964.759446263	Sum of GTIs [s]
ontime3	31968.00047636	Sum of GTIs [s]
ontime6	31968.00047636	Sum of GTIs [s]
ontime7	31968.00047636	Sum of GTIs [s]
l2events	195604	Number of level 2 events



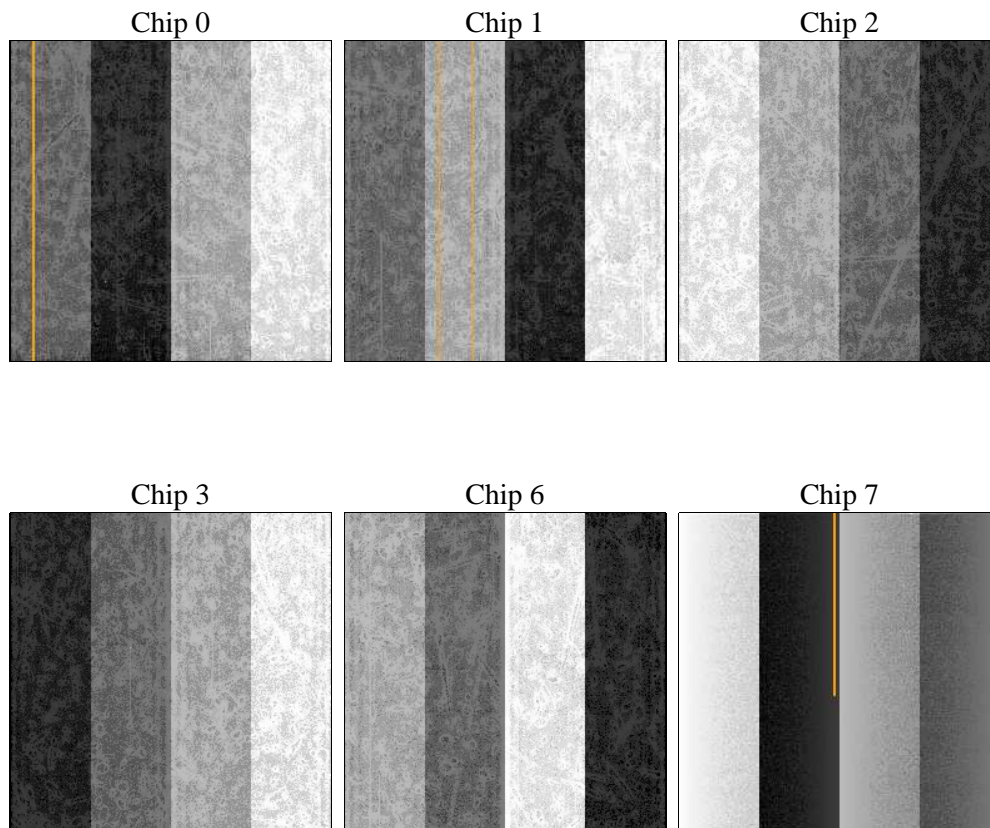
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	31968.00047636	Sum of GTIs [s]
caldsver	4.6.6	 	ontime0	31964.759456038	Sum of GTIs [s]
date	2015-01-24T00:11:00	Date and time of file creation	ontime1	31968.00047636	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	31964.759446263	Sum of GTIs [s]
			ontime3	31968.00047636	Sum of GTIs [s]
			ontime6	31968.00047636	Sum of GTIs [s]
			ontime7	31968.00047636	Sum of GTIs [s]
			l1events	1010885	Number of level 1 events

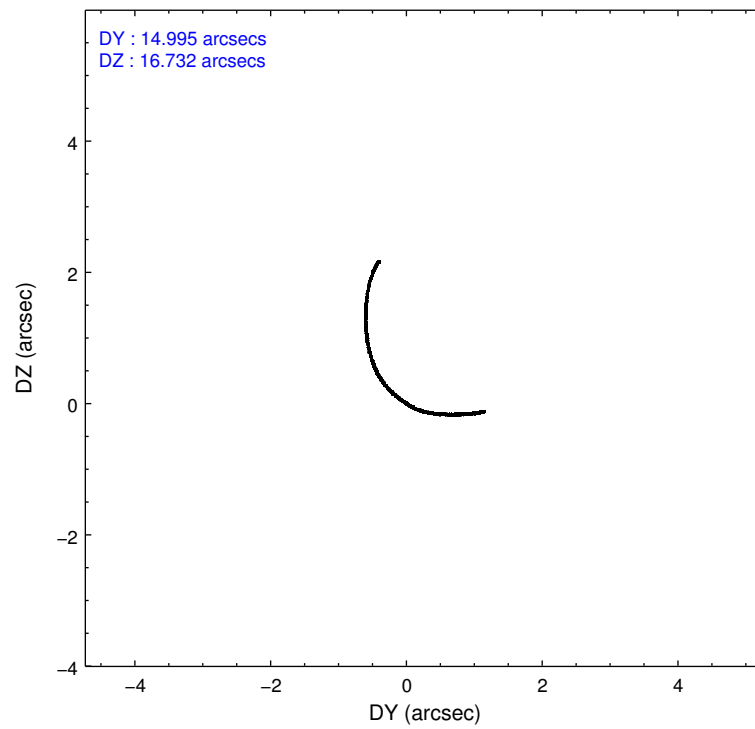
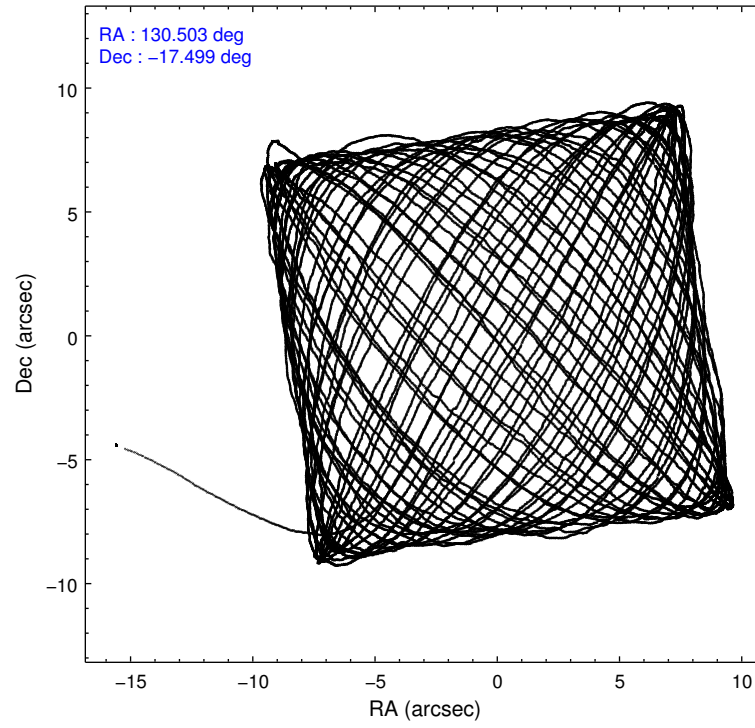
2.1.4 Events

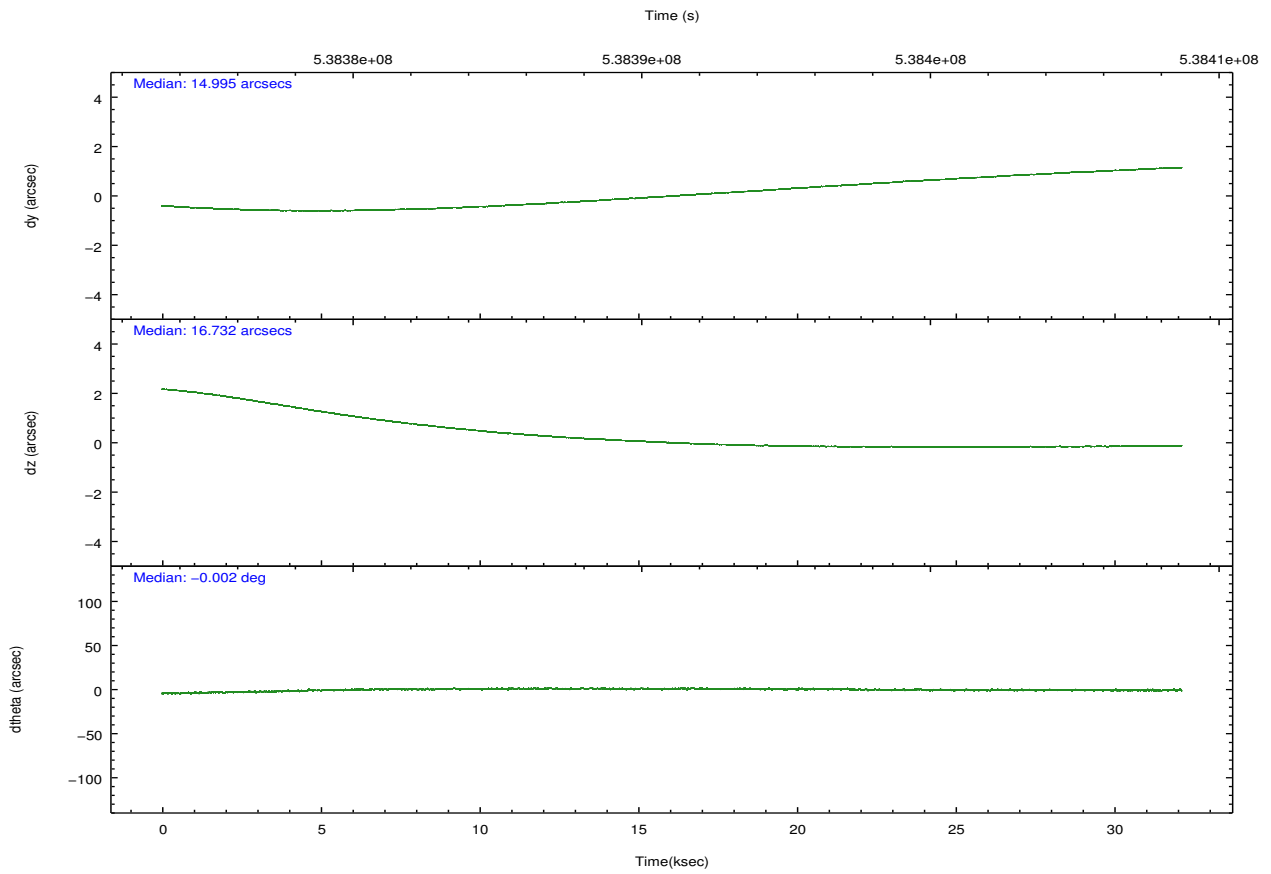
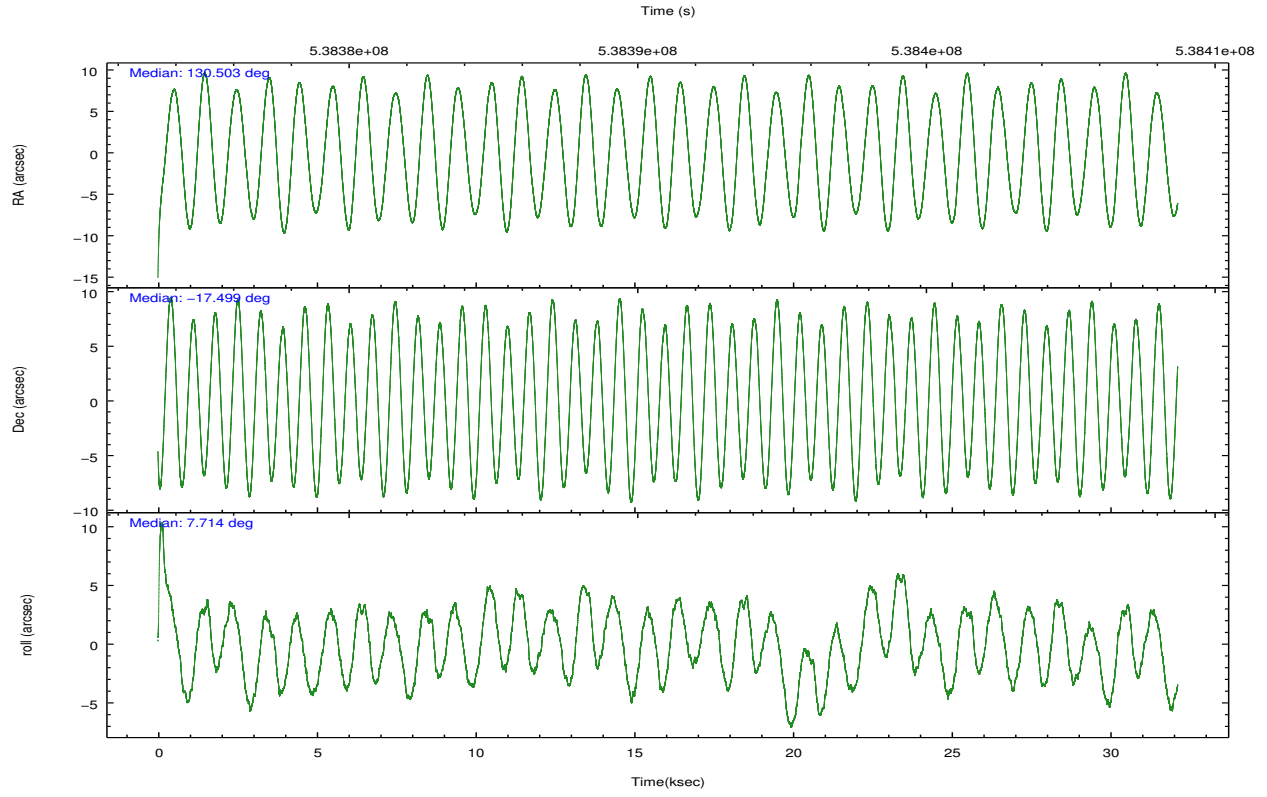
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	144226	152794	161842	169846	167396	214781	grade 0 events	9776	12648	9992	17916	6279	8093
rejected events	121497	126149	139517	137949	148416	122074		6%	8%	6%	10%	3%	3%
rejected %	84%	82%	86%	81%	88%	56%	grade 1 events	97	95	108	157	88	264
								0%	0%	0%	0%	0%	0%
							grade 2 events	4978	5112	4887	5357	4385	19200
								3%	3%	3%	3%	2%	8%
							grade 3 events	2067	2148	1914	2305	1894	7603
								1%	1%	1%	1%	1%	3%
							grade 4 events	1927	2183	1937	2338	1914	7524
								1%	1%	1%	1%	1%	3%
							grade 5 events	7068	7842	6733	8233	8323	21992
								4%	5%	4%	4%	4%	10%
							grade 6 events	3983	4561	3597	3987	4510	50302
								2%	2%	2%	2%	2%	23%
							grade 7 events	114330	118205	132674	129553	140003	99803
								79%	77%	81%	76%	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	130.480314	130.5031318004099	CCD I2 on	Y	Y
[deg] Pointing Dec	-17.515915	-17.4989641991526	CCD I3 on	Y	Y
[deg] Pointing Roll	7.495957	7.711502481102554	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	538375075.184000	538373847.67142	CCD S5 on	N	N
Observation start date	2015-01-23T04:36:48	2015-01-23T04:17:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	538407075.184000	538408062.1733299	On-chip summing requested	N	N
Observation end date	2015-01-23T13:30:08	2015-01-23T13:47:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





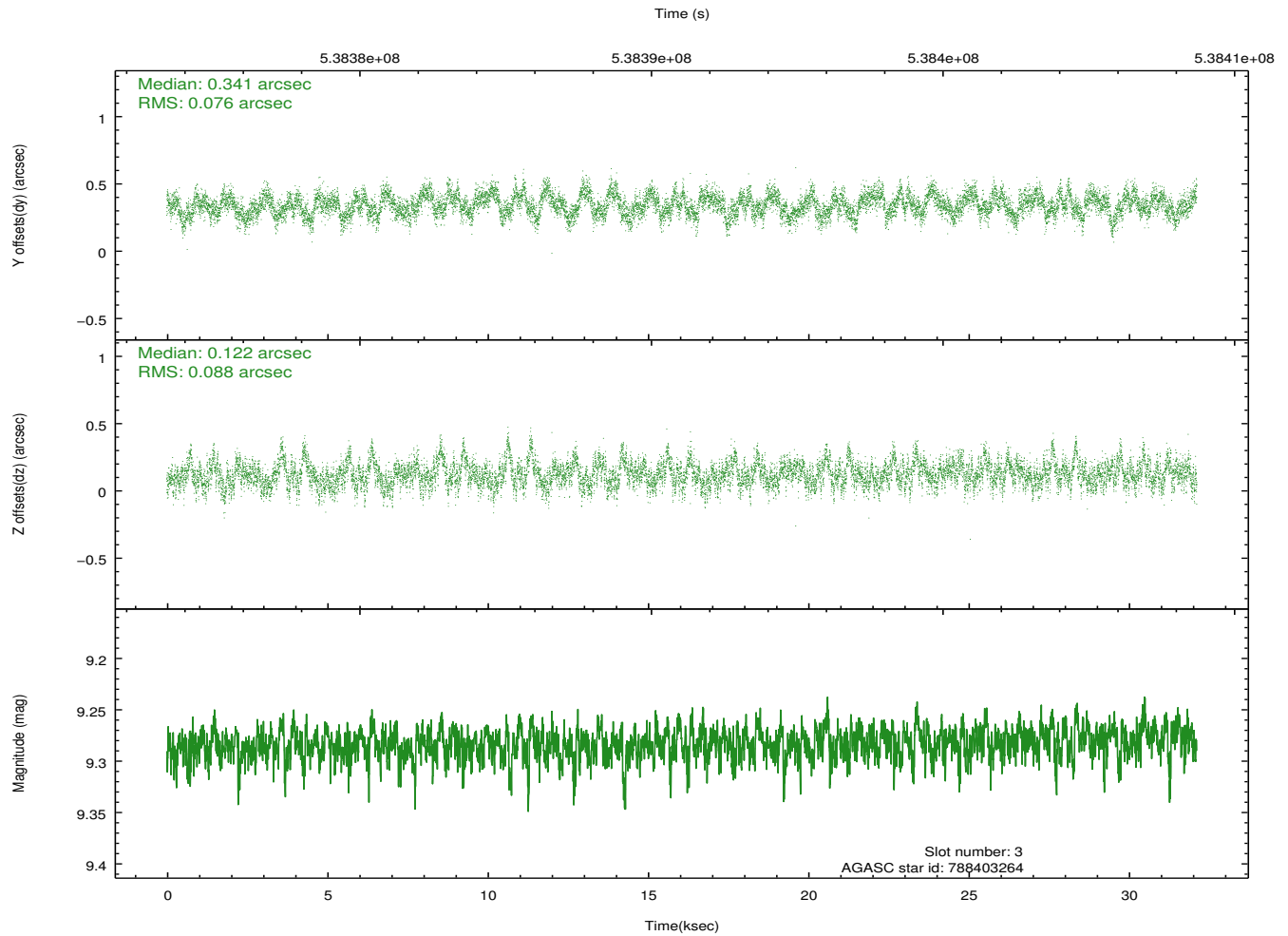
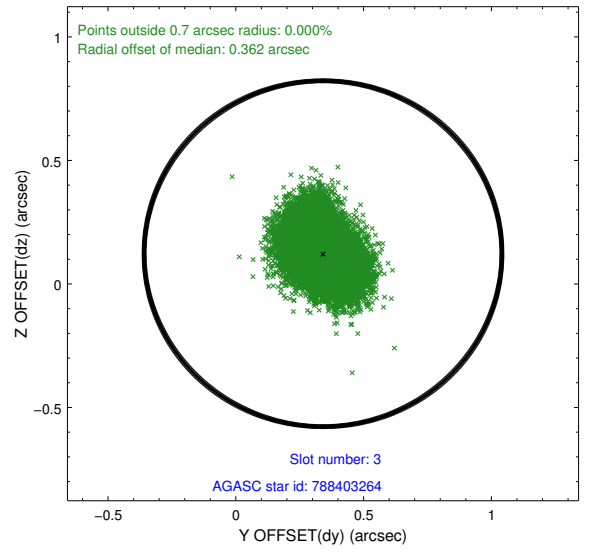
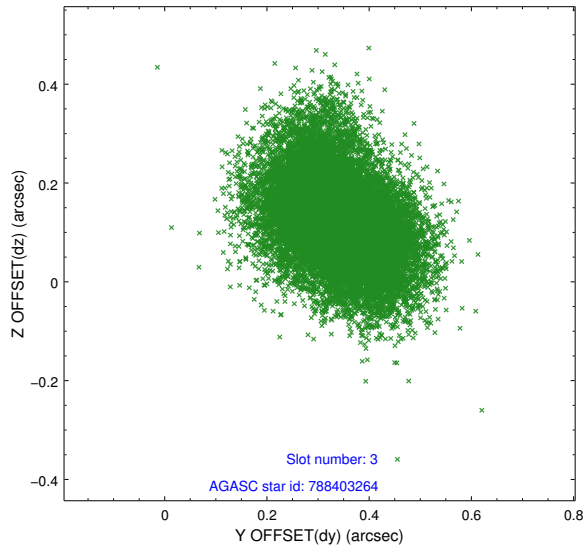
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.12	7836	0.075	-0.035	0.016	0.053	0.000000	0.000000	924.44	-840.79
1	FID		ACIS-I-5	7.13	7836	-0.260	0.065	0.012	0.020	0.000000	0.000000	-1823.98	1056.75
2	FID		ACIS-I-6	7.12	7836	0.094	0.044	0.025	0.058	0.000000	0.000000	389.93	1701.30
3	GUIDE	used	788403264	9.28	15652	0.341	0.122	0.125	0.203	129.988745	-17.706292	-1760.72	-460.98
4	GUIDE	used	788546808	8.88	15664	-0.067	-0.063	0.089	0.148	131.022424	-17.370468	1914.70	273.67
5	GUIDE	used	788552496	8.76	15665	-0.172	-0.048	0.091	0.143	131.035975	-16.946195	2164.86	1781.42
6	GUIDE	used	788416008	8.77	15665	0.139	0.057	0.081	0.139	129.756864	-17.301734	-2364.81	1084.81
7	GUIDE	used	788552320	8.47	15670	-0.242	-0.075	0.080	0.130	130.958057	-17.020554	1863.30	1549.61

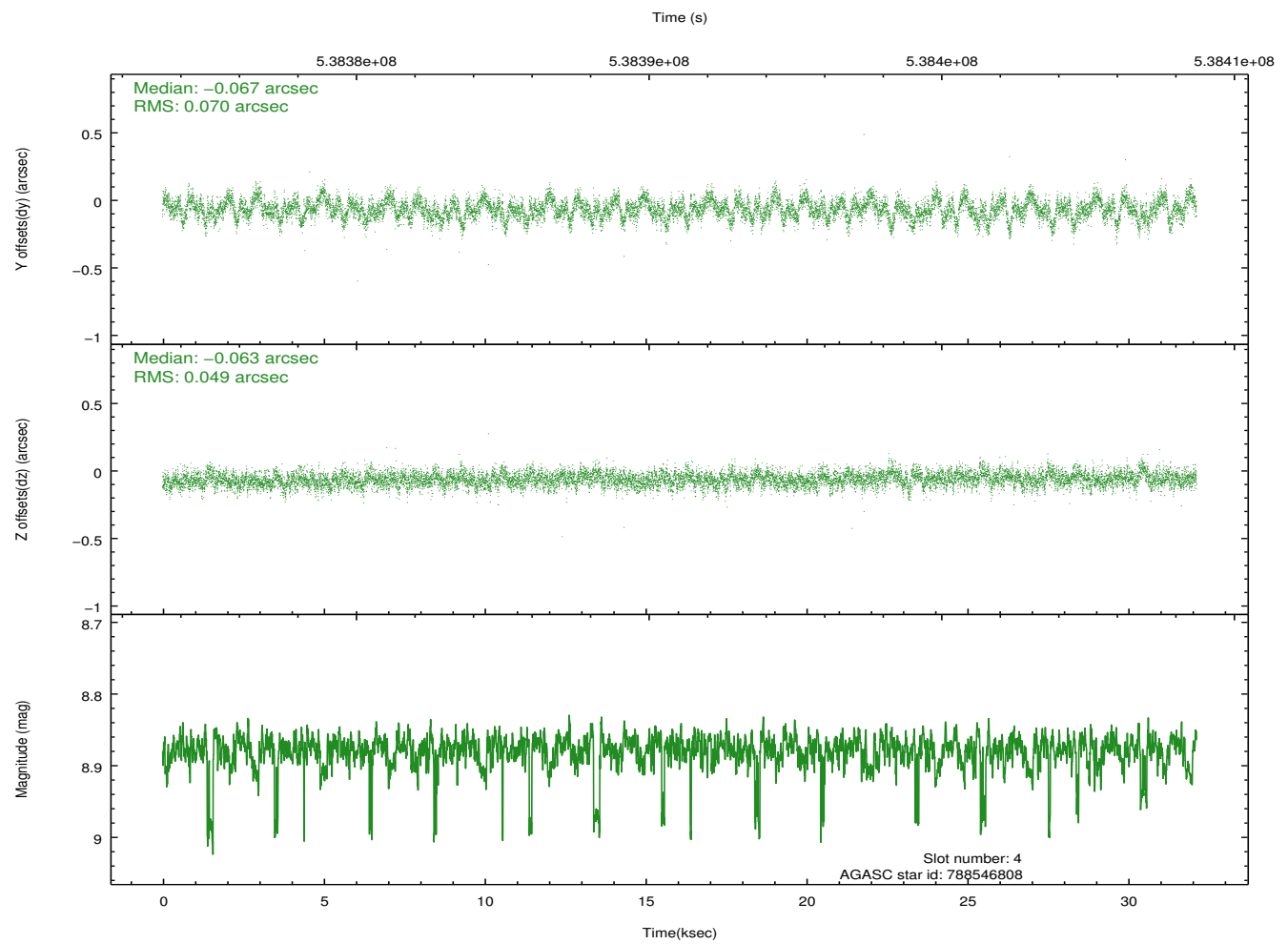
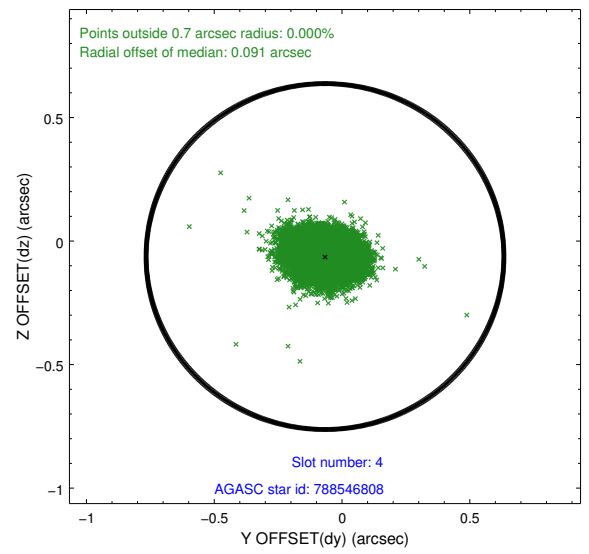
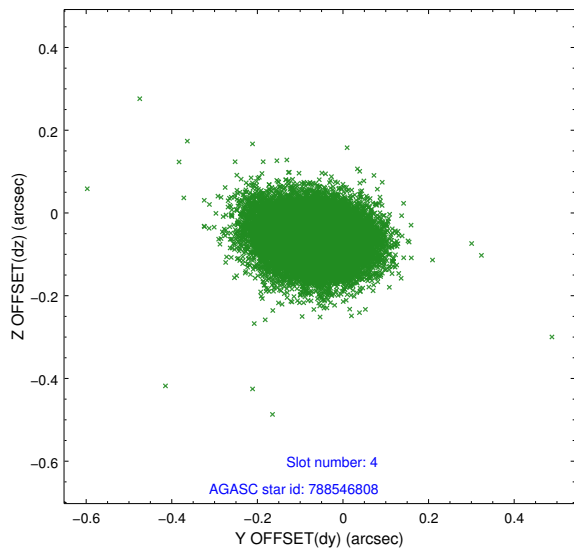
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2.4 Star Slots

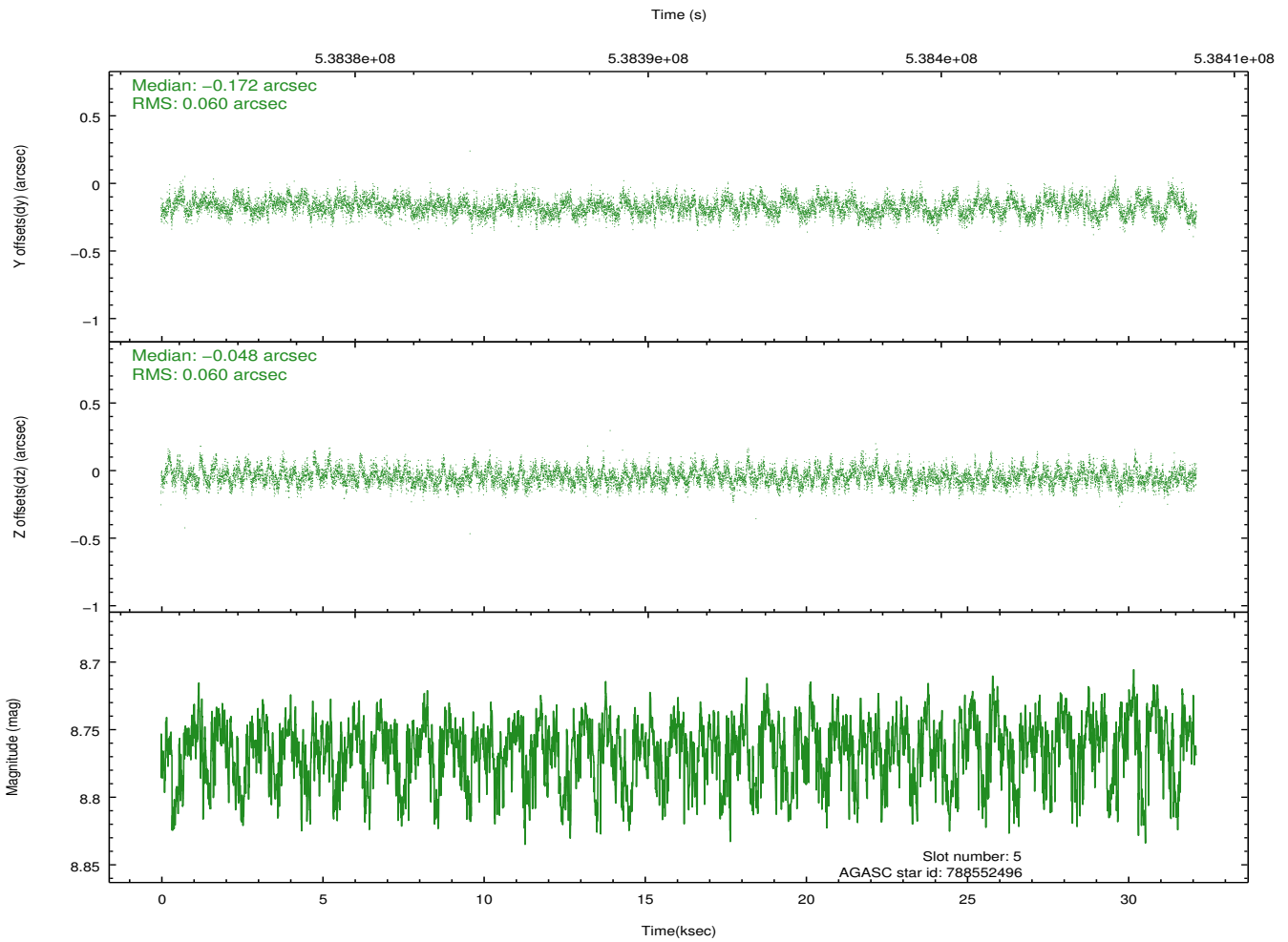
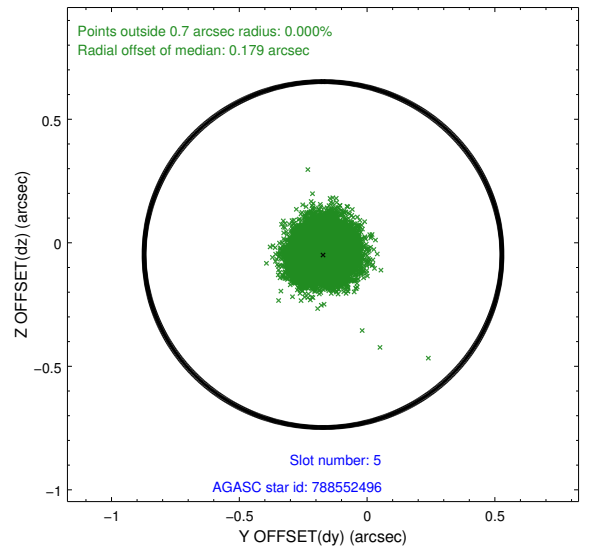
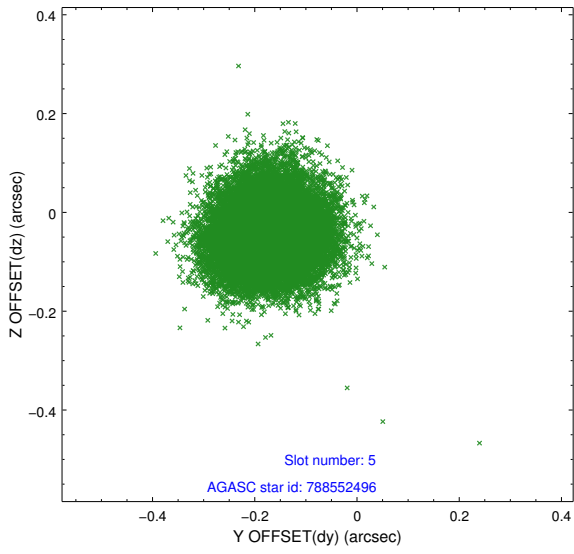
2.4.1 Slot 3



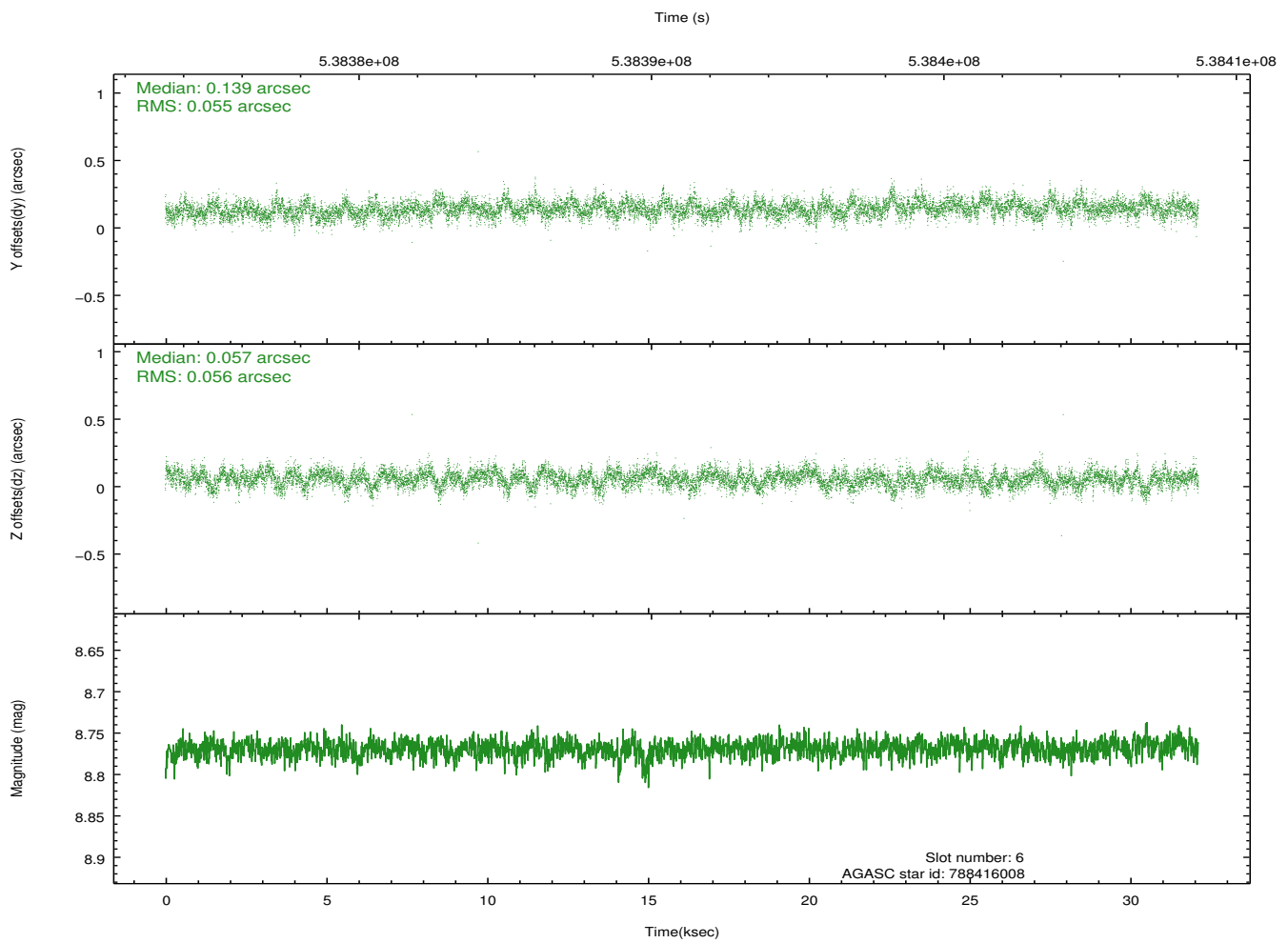
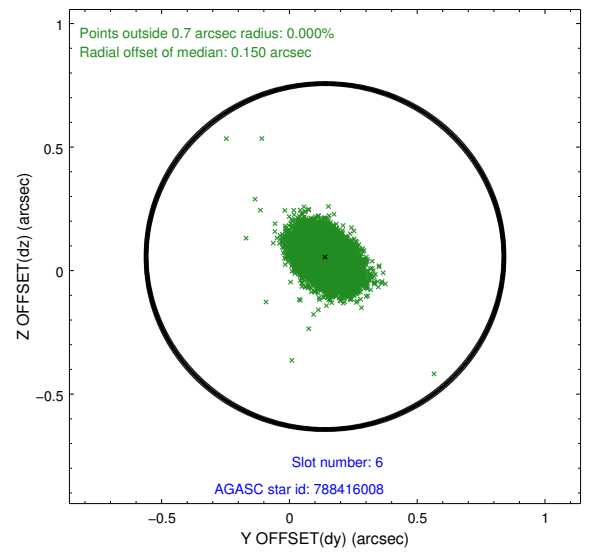
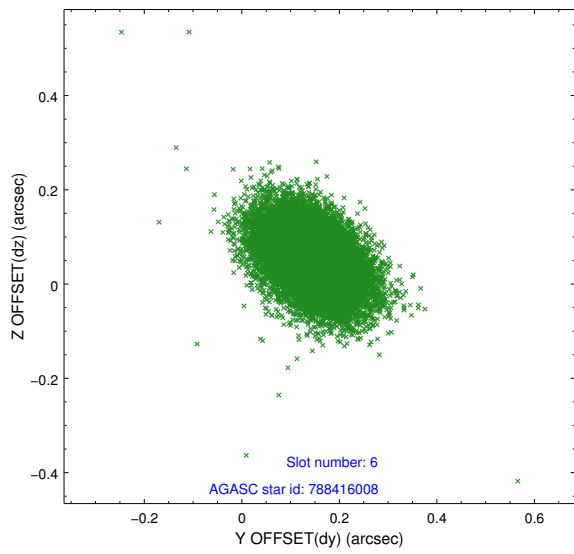
2.4.2 Slot 4



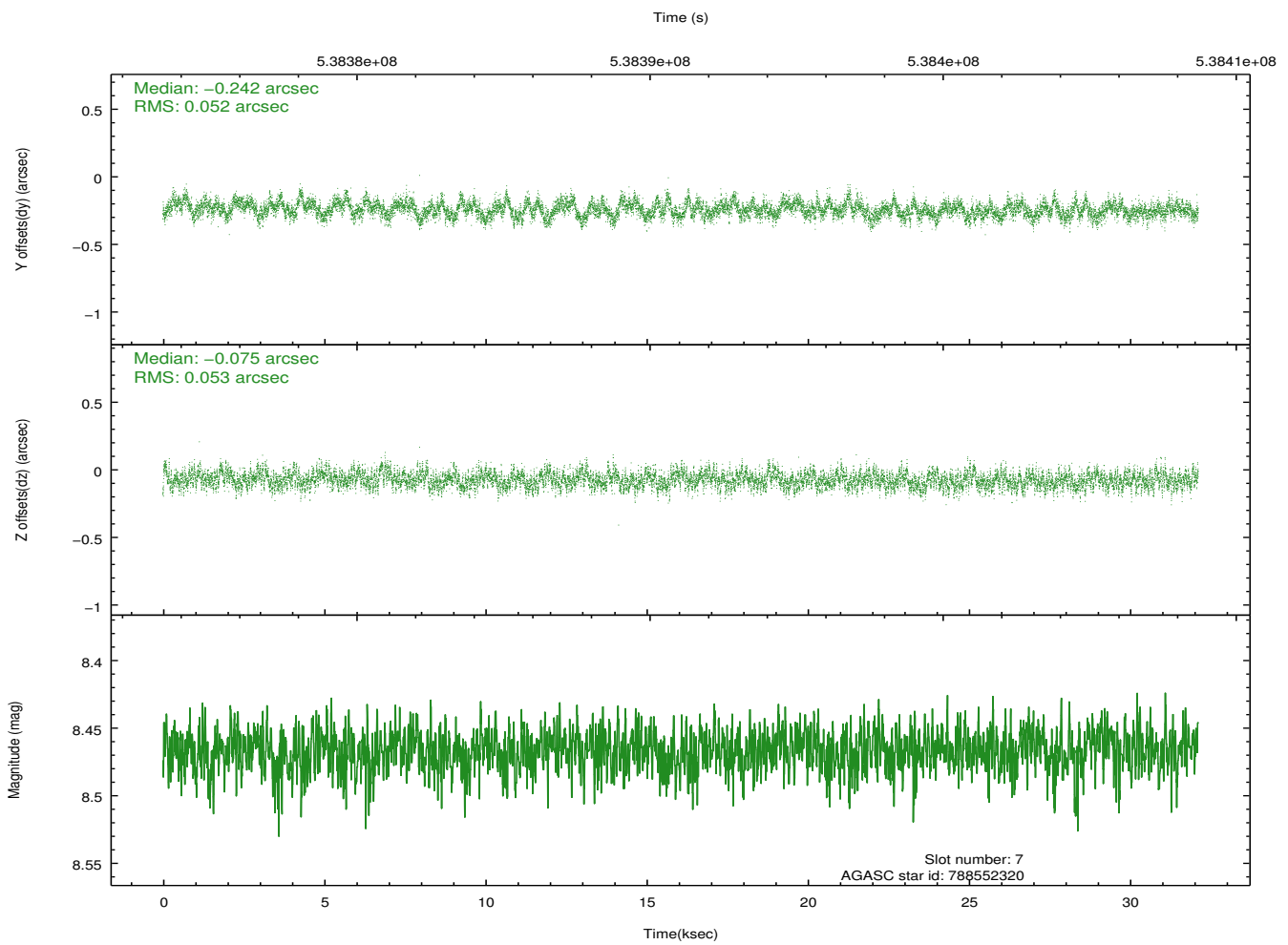
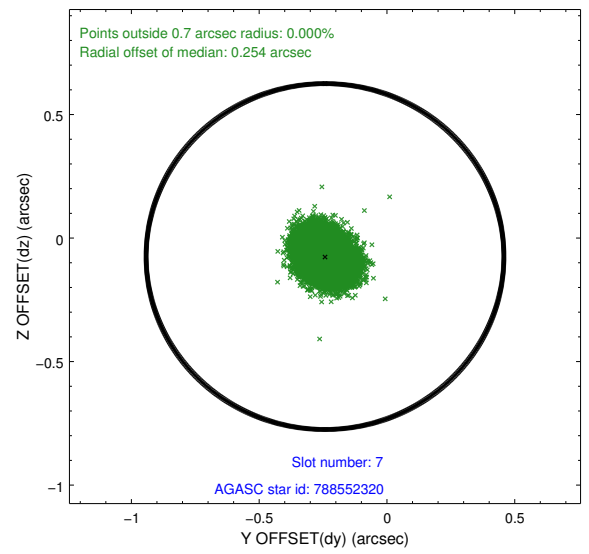
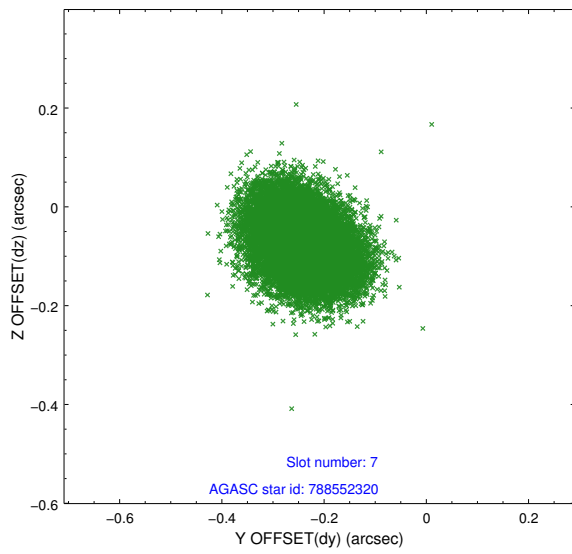
2.4.3 Slot 5



2.4.4 Slot 6

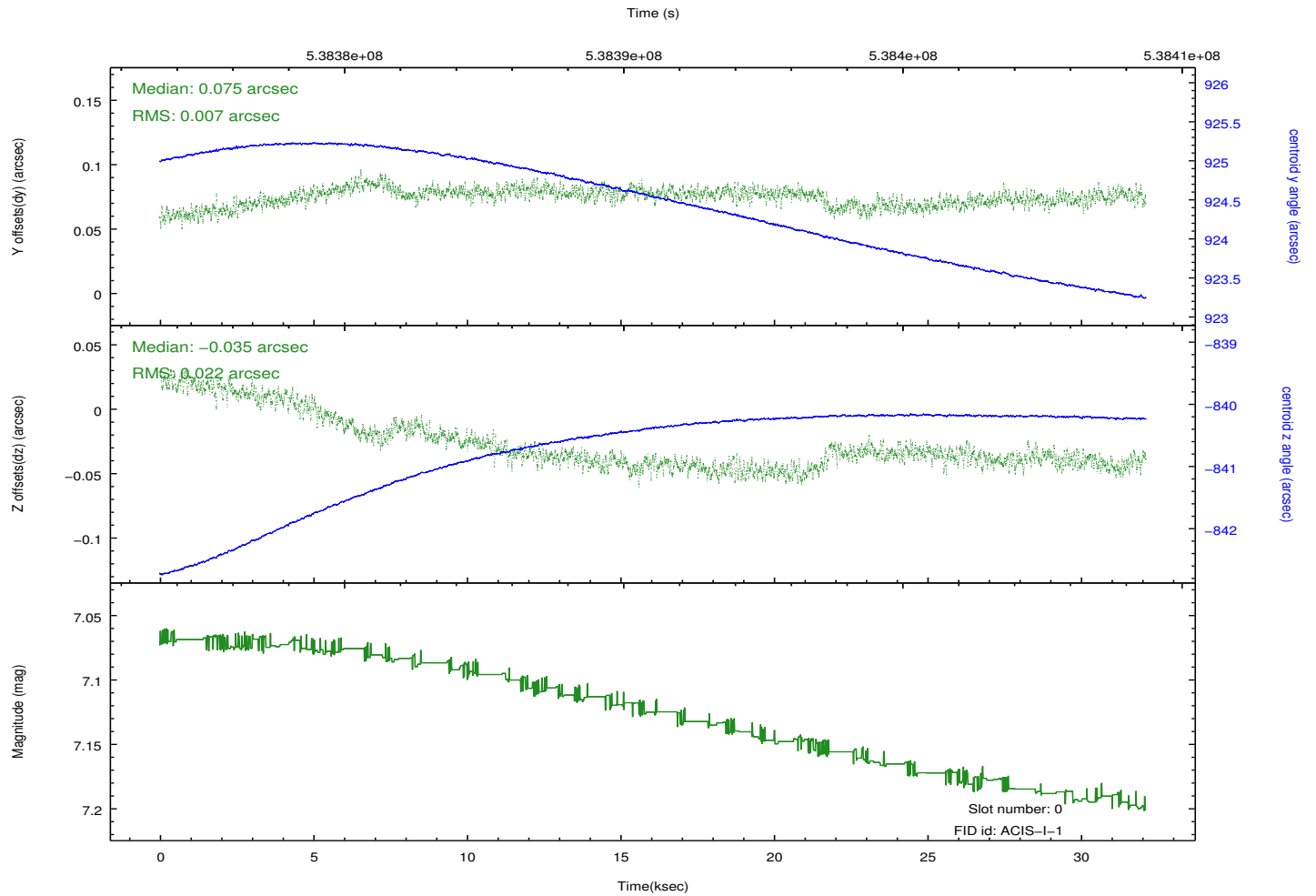
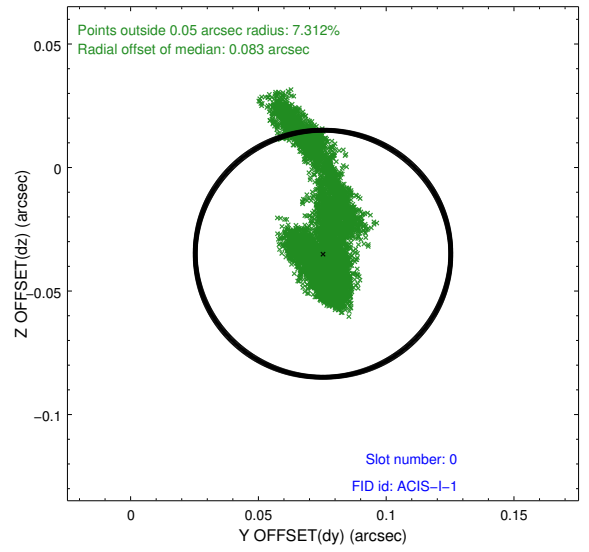
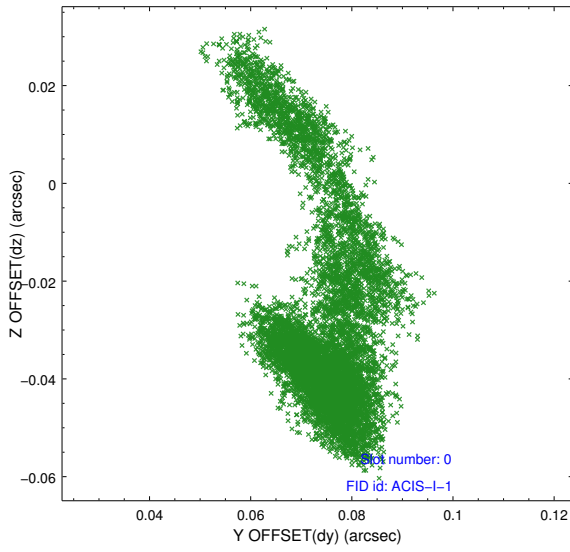


2.4.5 Slot 7

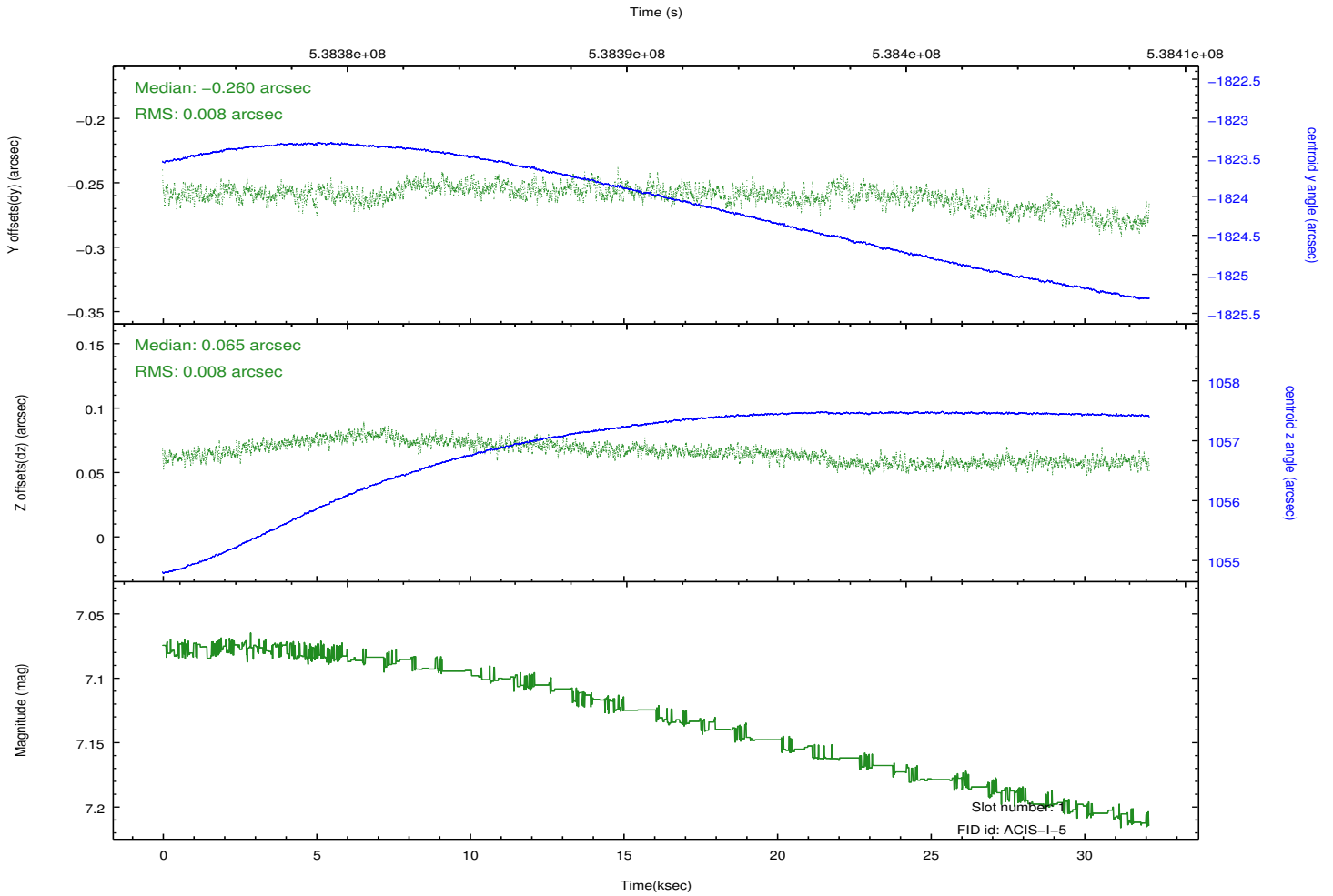
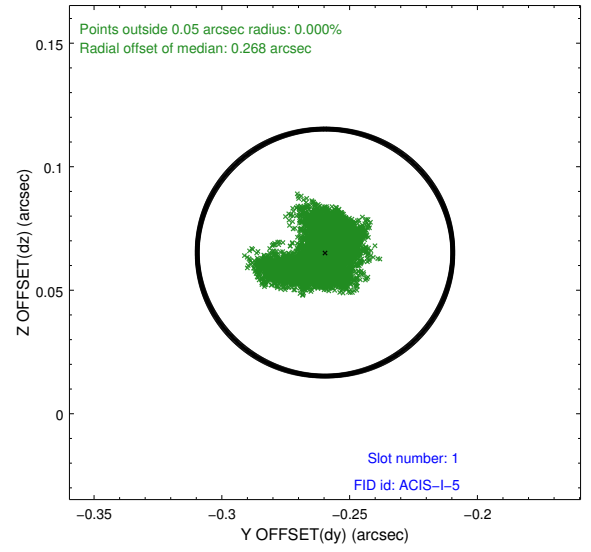
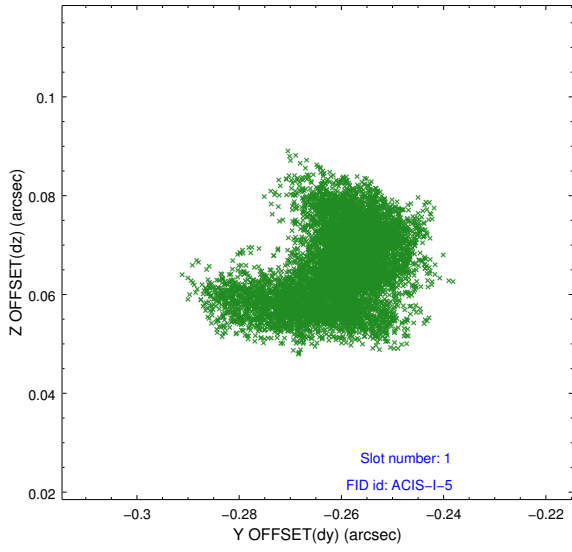


2.5 FID Slots

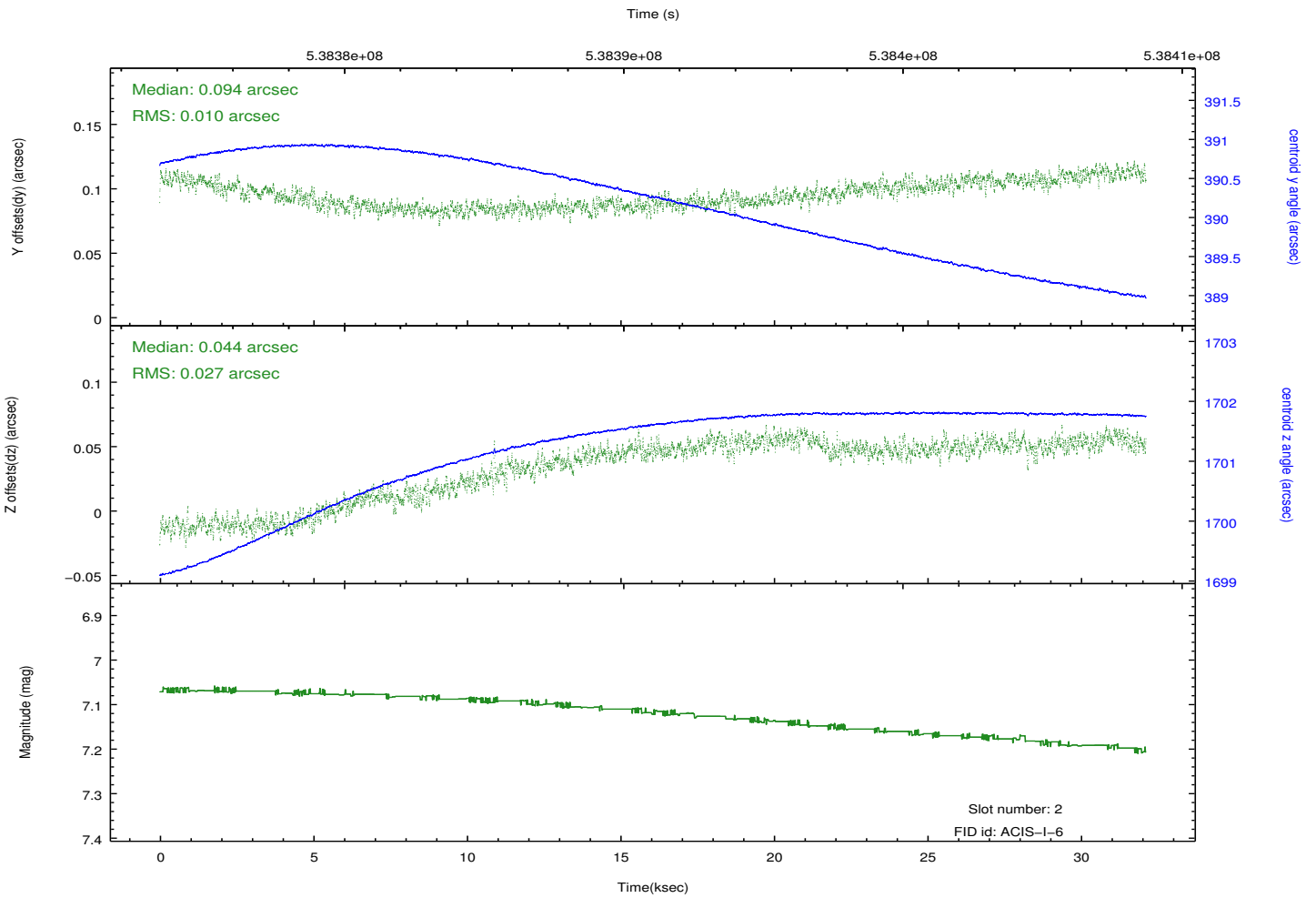
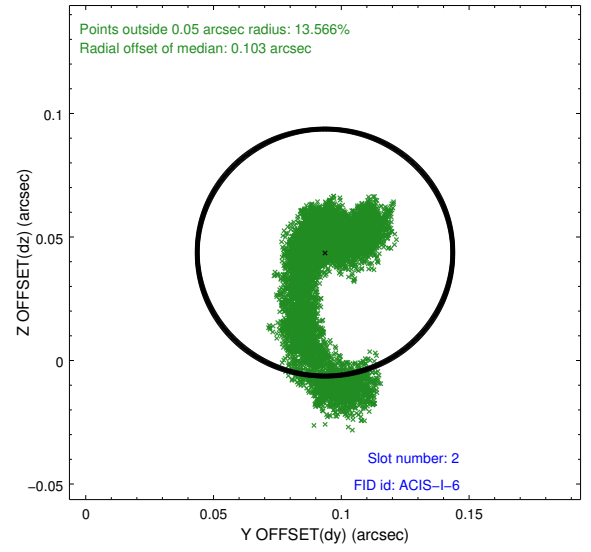
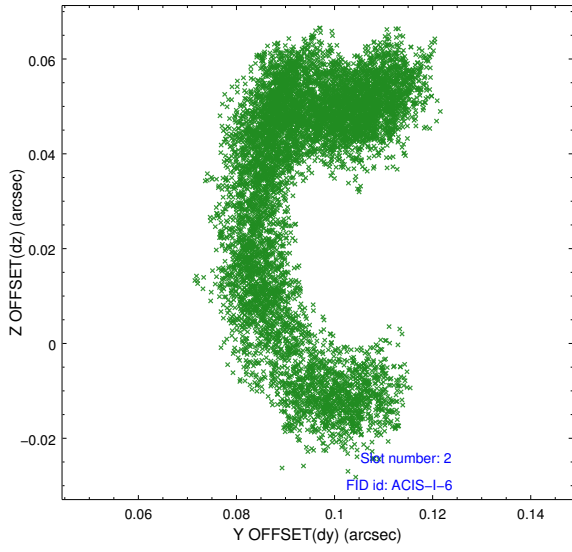
2.5.1 Slot 0



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)	2015.01.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.96800047636

A.2 Comments