

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 17755 - L2 Version 1
Chandra X-Ray Center

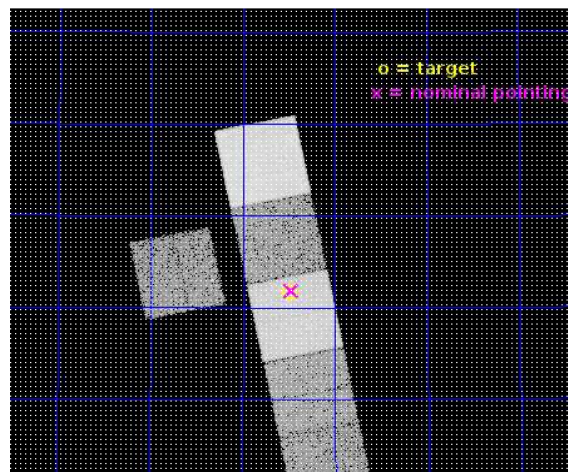
L2 Processing Date : Aug 30 2016

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1 Front

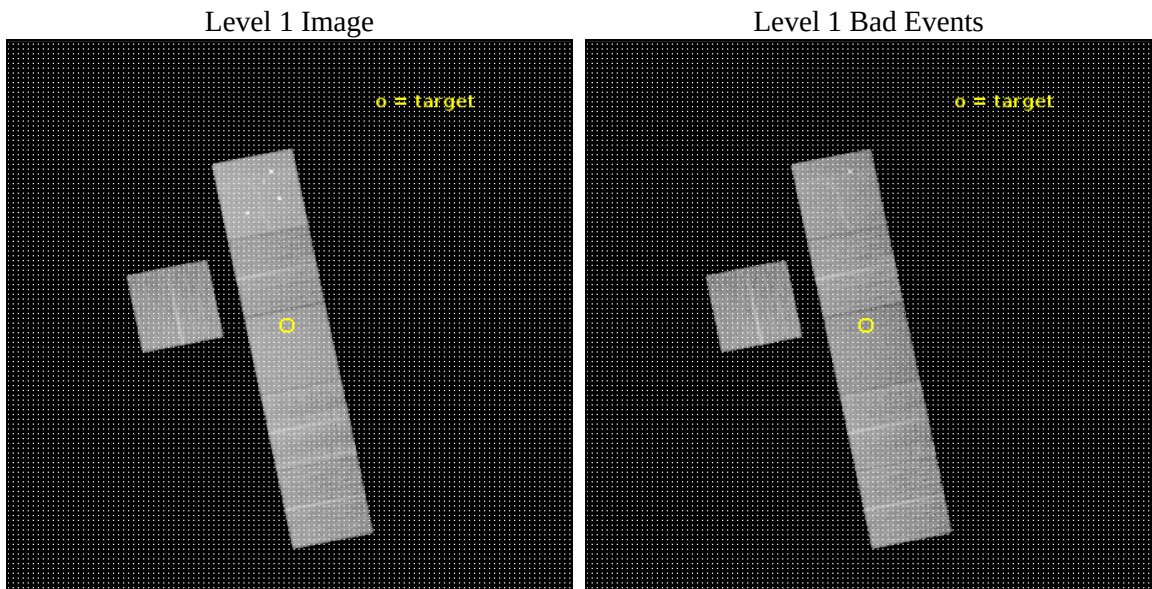
seq_num	201064	Sequence number
obs_id	17755	Observation id
title	Understanding the Rotation/Activity Relation: A New Low-Mass, Extreme-Spin Sample	Proposal title
observer	Peter Williams	Principal investigator
object	2MASS J06022918+4951561	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	90.622083	Observer's specified target RA [deg]
dec_targ	49.861694	Observer's specified target Dec [deg]
ra_nom	90.618068236788	Nominal RA [deg]
dec_nom	49.864190306259	Nominal Dec [deg]
roll_nom	78.512722444493	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19071.481232047	Sum of GTIs [s]
livetime	18829.98665322	Livetime [s]
ontime2	19071.317072034	Sum of GTIs [s]
ontime5	19068.199221611	Sum of GTIs [s]
ontime6	19071.39915204	Sum of GTIs [s]
ontime7	19071.481232047	Sum of GTIs [s]
ontime8	19071.358111978	Sum of GTIs [s]
ontime9	19071.522271991	Sum of GTIs [s]
l2events	217942	Number of level 2 events



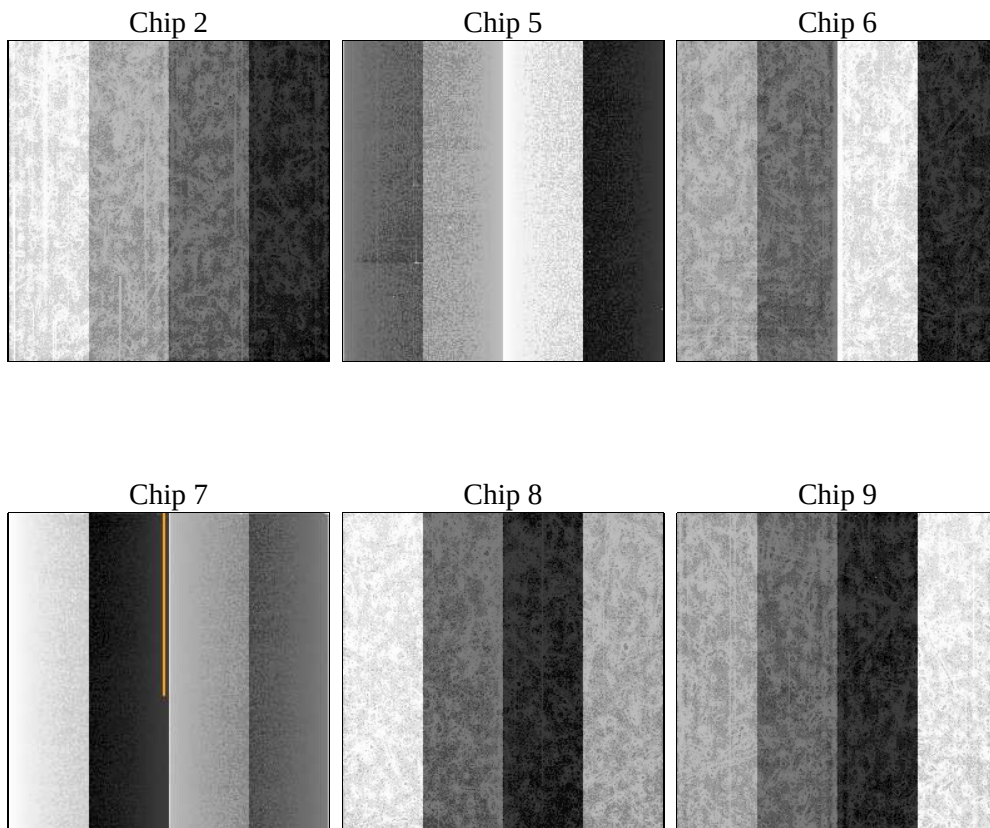
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19120.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	19071.481232047	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	19071.317072034	Sum of GTIs [s]
date	2016-08-30T03:43:30	Date and time of file creation	ontime5	19068.199221611	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	19071.39915204	Sum of GTIs [s]
			ontime7	19071.481232047	Sum of GTIs [s]
			ontime8	19071.358111978	Sum of GTIs [s]
			ontime9	19071.522271991	Sum of GTIs [s]
			l1events	940048	Number of level 1 events

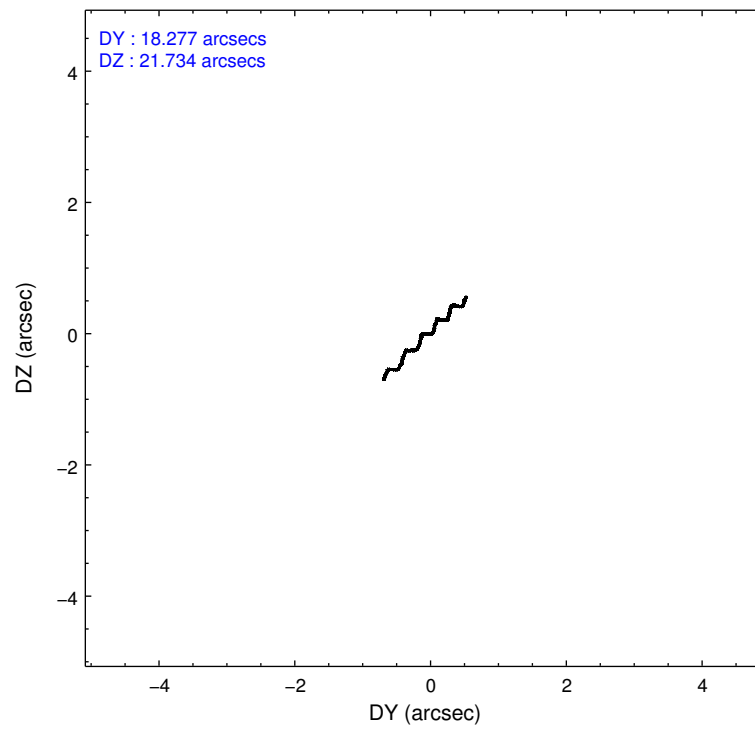
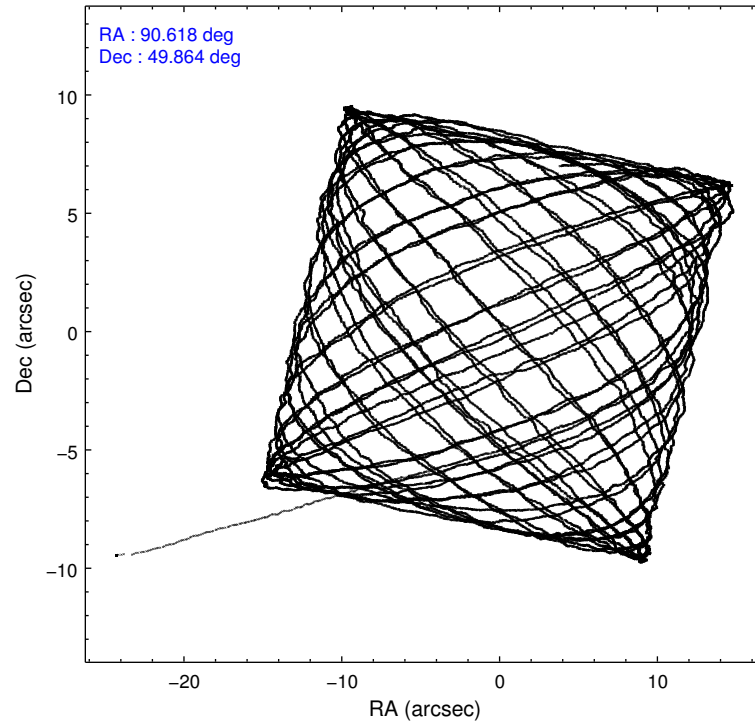
2.1.4 Events

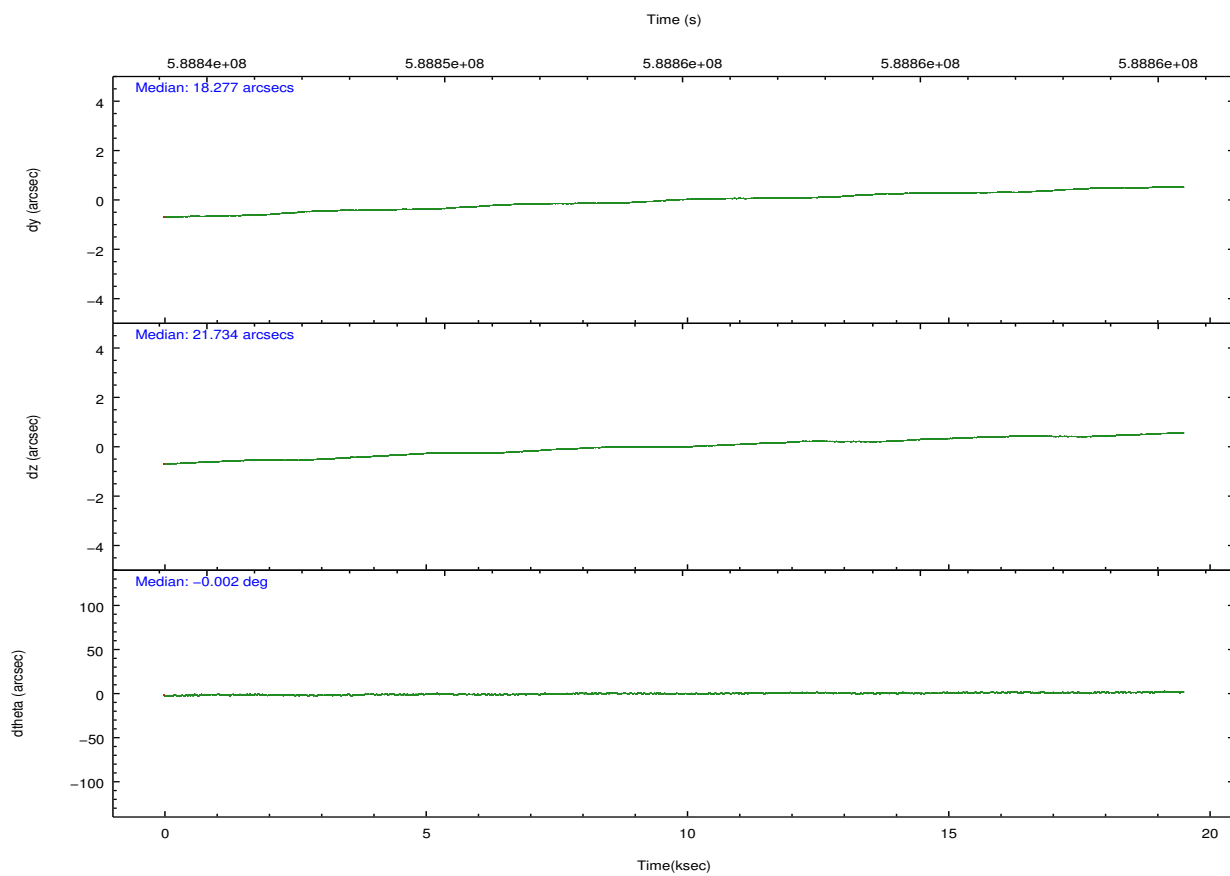
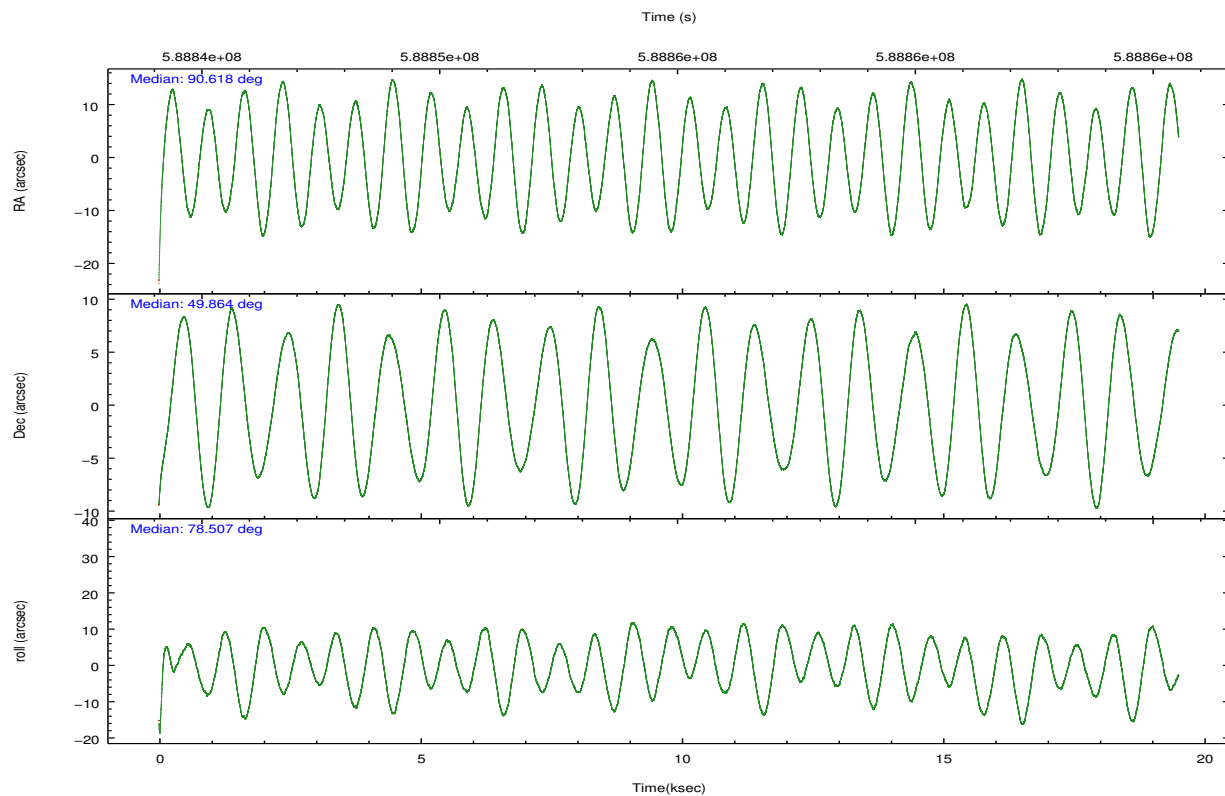
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	125834	215815	131547	164095	171191	131566	grade 0 events	4904	14092	4927	6072	13798	5887
rejected events	111867	109007	116855	91967	123279	115242		3%	6%	3%	3%	8%	4%
rejected %	88%	50%	88%	56%	72%	87%	grade 1 events	70	542	68	239	137	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	3576	32736	3403	15243	11760	3710
								2%	15%	2%	9%	6%	2%
							grade 3 events	1311	3307	1464	5876	5003	1619
								1%	1%	1%	3%	2%	1%
							grade 4 events	1384	3145	1490	5704	4634	1552
								1%	1%	1%	3%	2%	1%
							grade 5 events	4918	15442	6140	16611	9260	7023
								3%	7%	4%	10%	5%	5%
							grade 6 events	2795	53574	3415	39258	12795	3564
								2%	24%	2%	23%	7%	2%
							grade 7 events	106876	92977	110640	75092	113804	108116
								84%	43%	84%	45%	66%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-256789	ACIS-256789	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	90.632067	90.61806823678837	CCD I2 on	O1	Y
[deg] Pointing Dec	49.838273	49.86419030625905	CCD I3 on	N	N
[deg] Pointing Roll	78.345429	78.51272244449257	CCD S0 on	N	N
[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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	588845430.184000	588844345.41708	CCD S5 on	O2	Y
Observation start date	2016-08-29T08:09:22	2016-08-29T07:52:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	588864550.184000	588865488.0933	On-chip summing requested	N	N
Observation end date	2016-08-29T13:28:02	2016-08-29T13:44:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



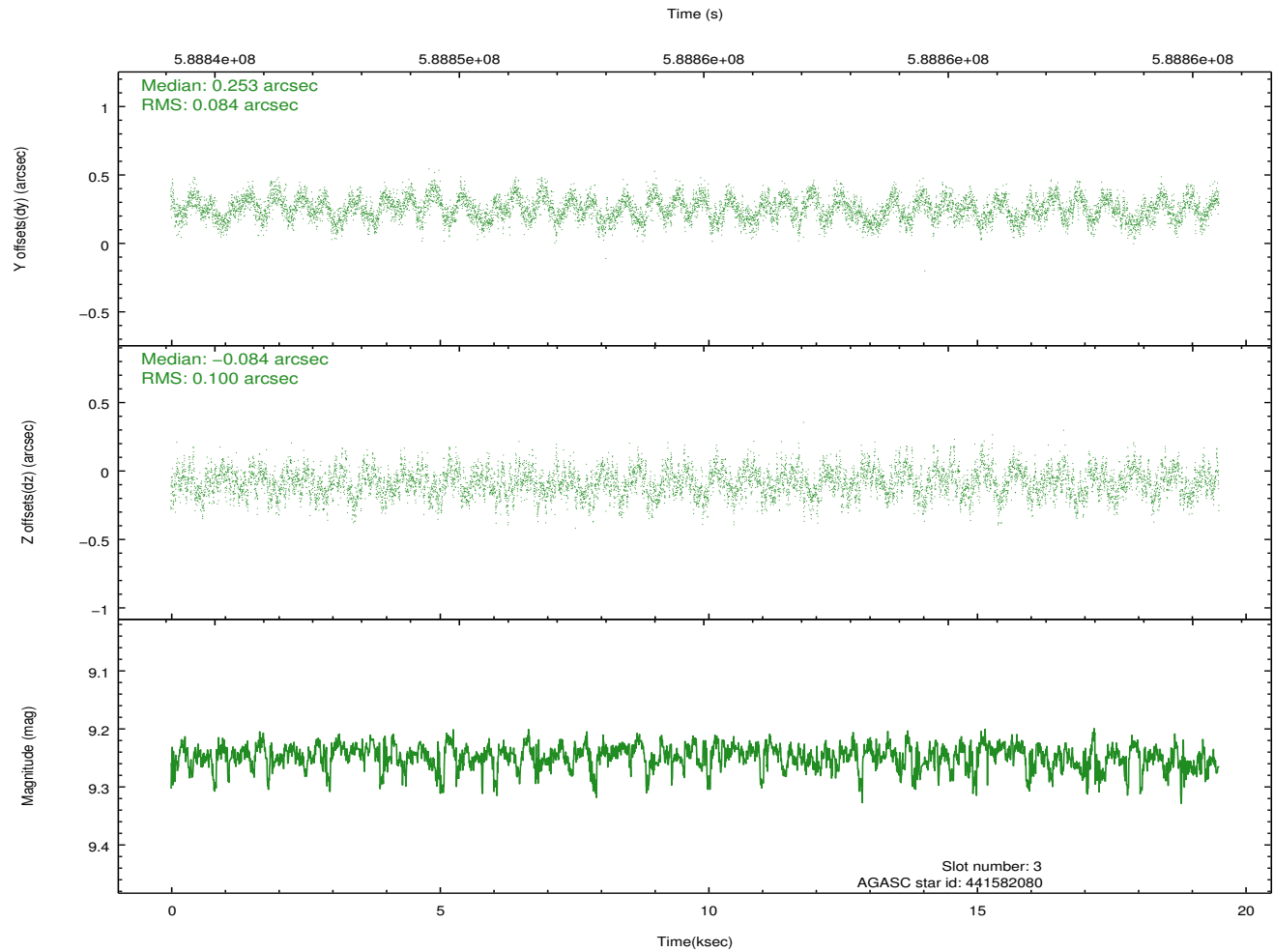
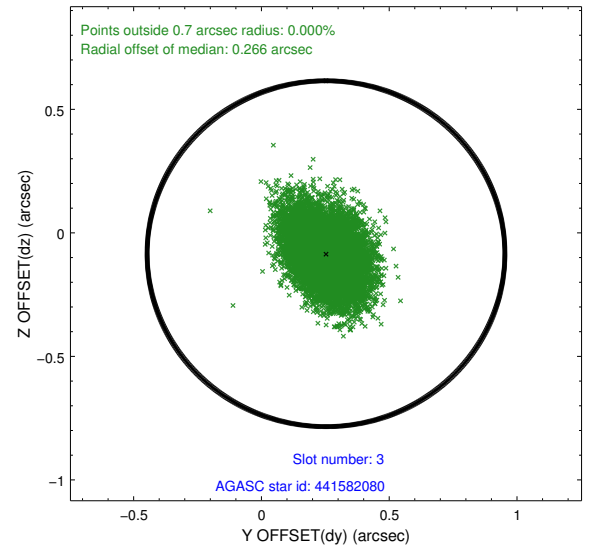
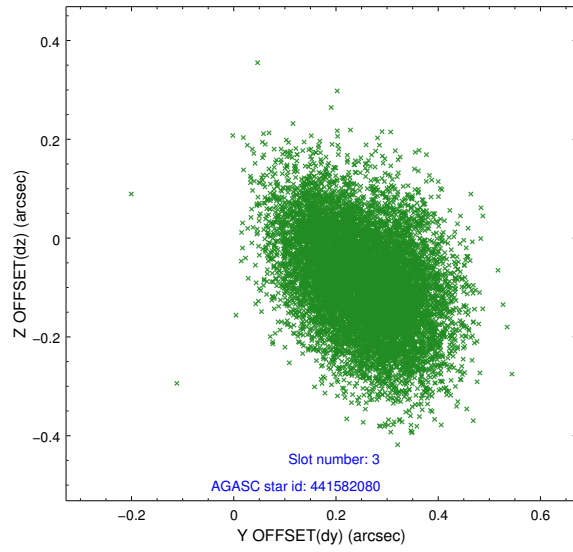


Slot Statistics

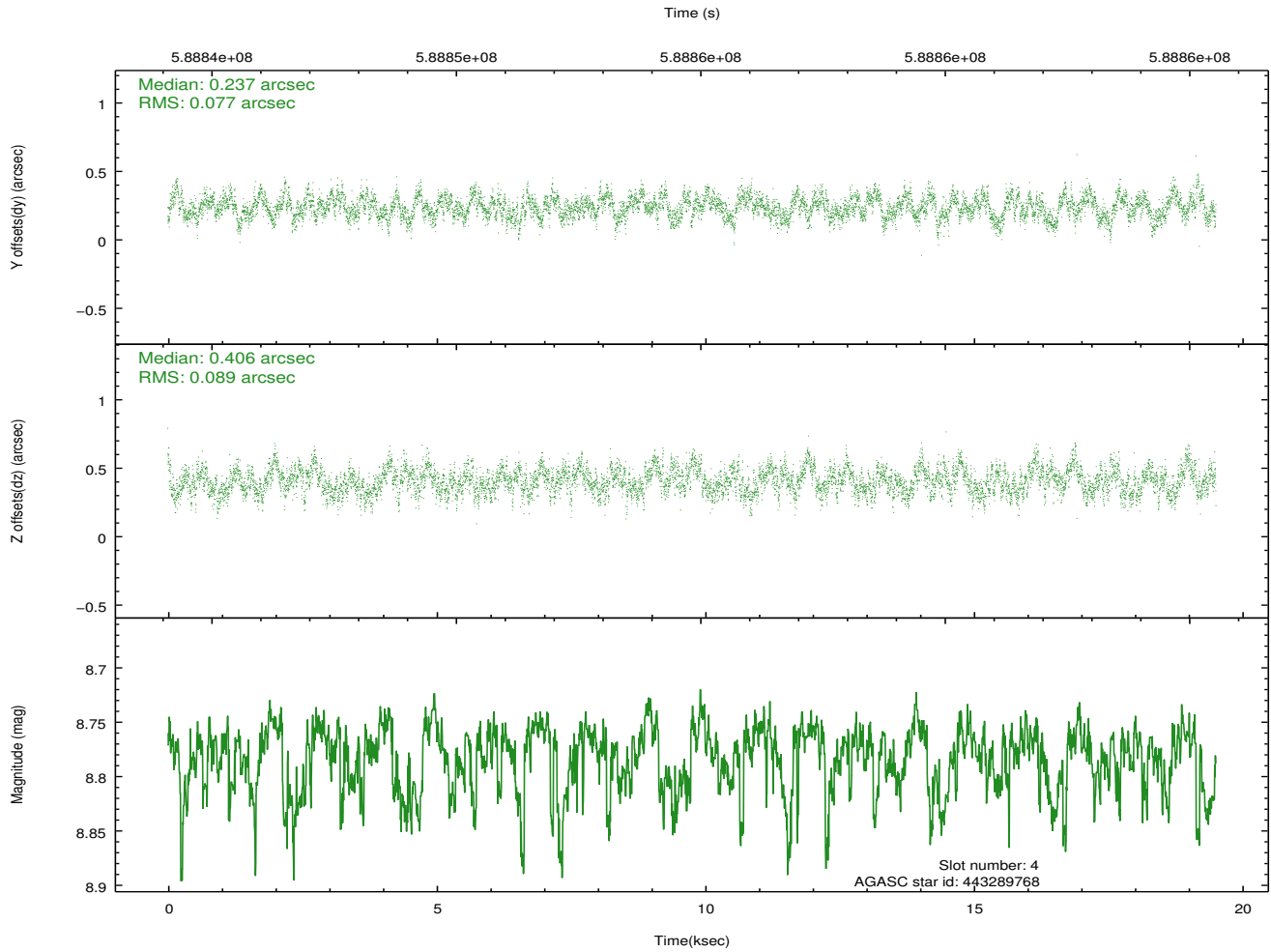
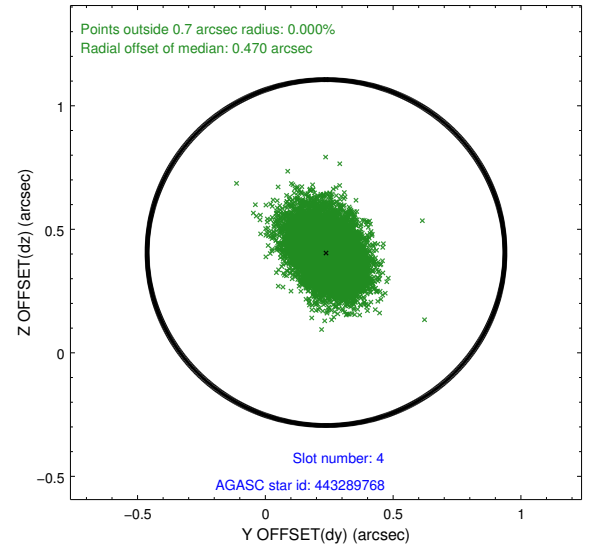
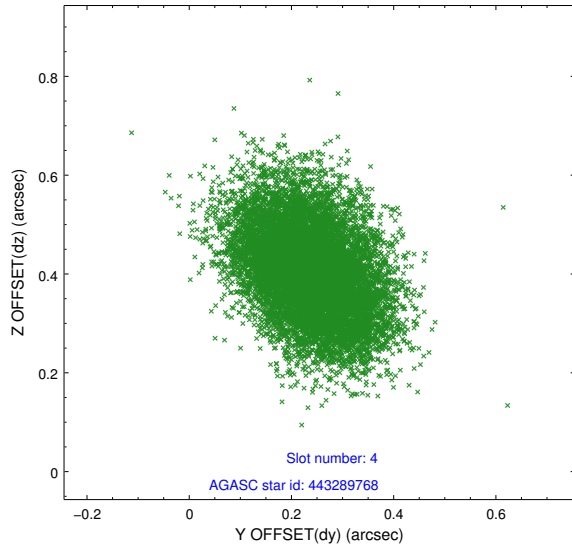
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.97	4760	-0.276	-0.193	0.009	0.017	0.000000	0.000000	-771.62	-1743.39
1	FID		ACIS-S-4	7.06	4759	0.300	0.152	0.009	0.013	0.000000	0.000000	2142.21	165.13
2	FID		ACIS-S-6	7.20	4758	-0.053	0.047	0.010	0.015	0.000000	0.000000	390.92	802.70
3	GUIDE	used	441582080	9.25	9511	0.253	-0.084	0.140	0.223	89.860383	49.642825	-1043.29	1621.62
4	GUIDE	used	443289768	8.78	9514	0.237	0.406	0.126	0.201	91.542542	49.946938	822.05	-1983.11
5	GUIDE	used	443291896	8.19	9517	-0.021	-0.063	0.110	0.184	90.159053	49.978731	276.97	1175.06
6	GUIDE	used	443293584	8.37	9512	-0.466	-0.304	0.085	0.143	90.556965	50.495542	2282.33	646.75
7	GUIDE	used	443295264	9.15	9508	-0.006	0.050	0.128	0.208	90.213290	49.353391	-1905.03	609.91

2.4 Star Slots

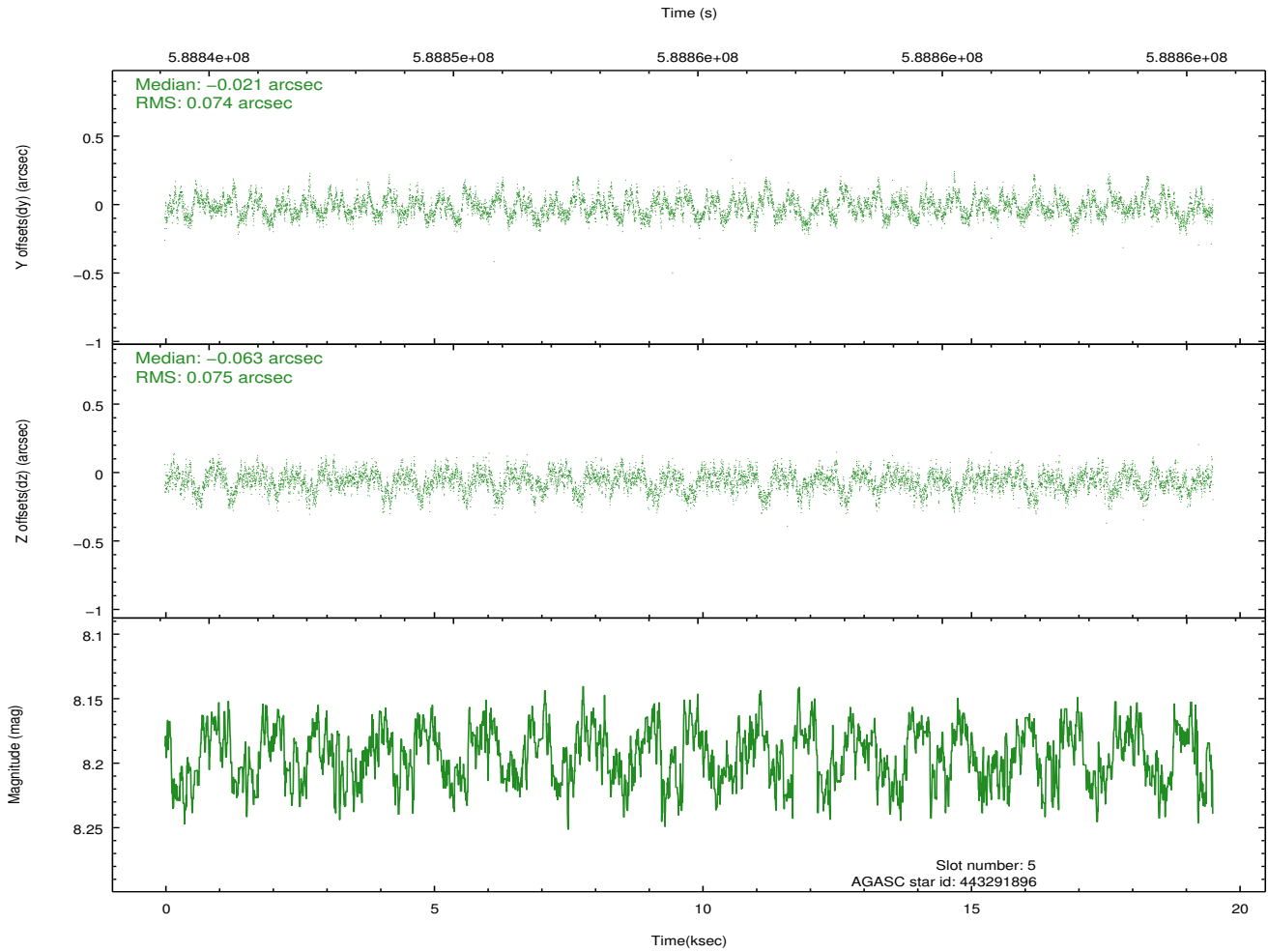
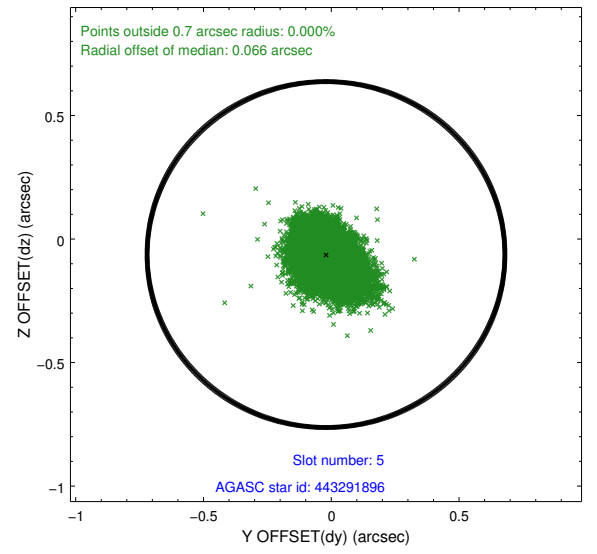
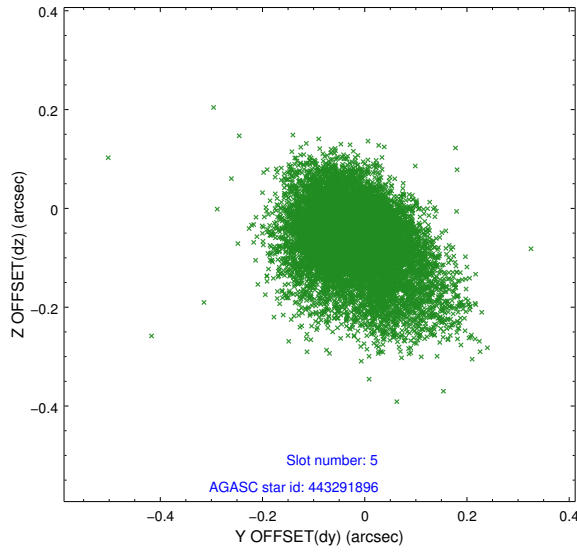
2.4.1 Slot 3



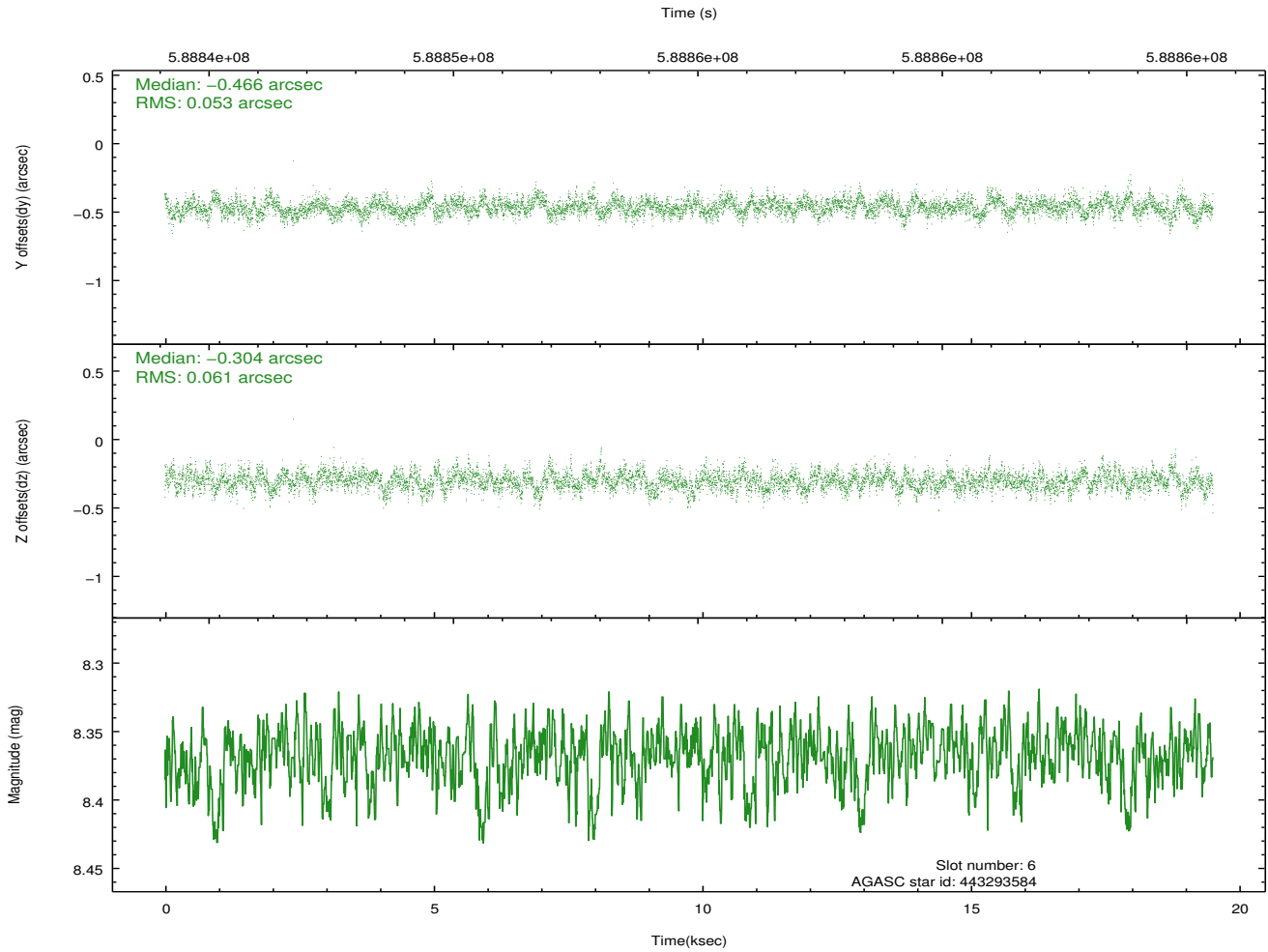
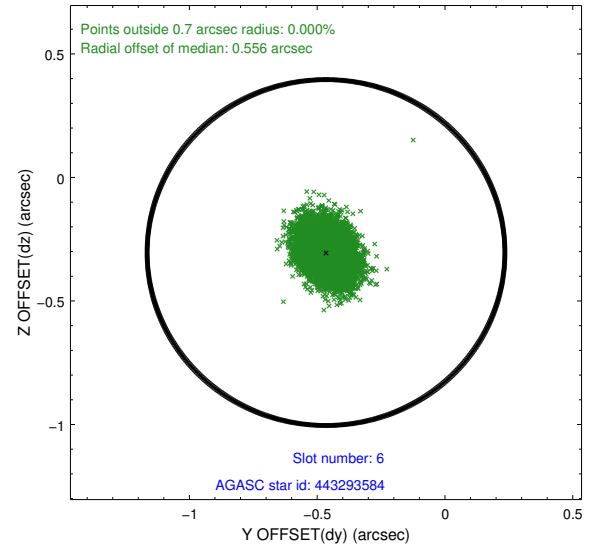
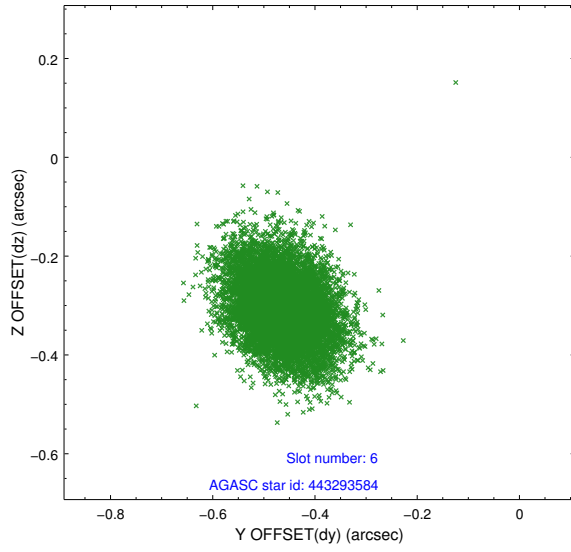
2.4.2 Slot 4



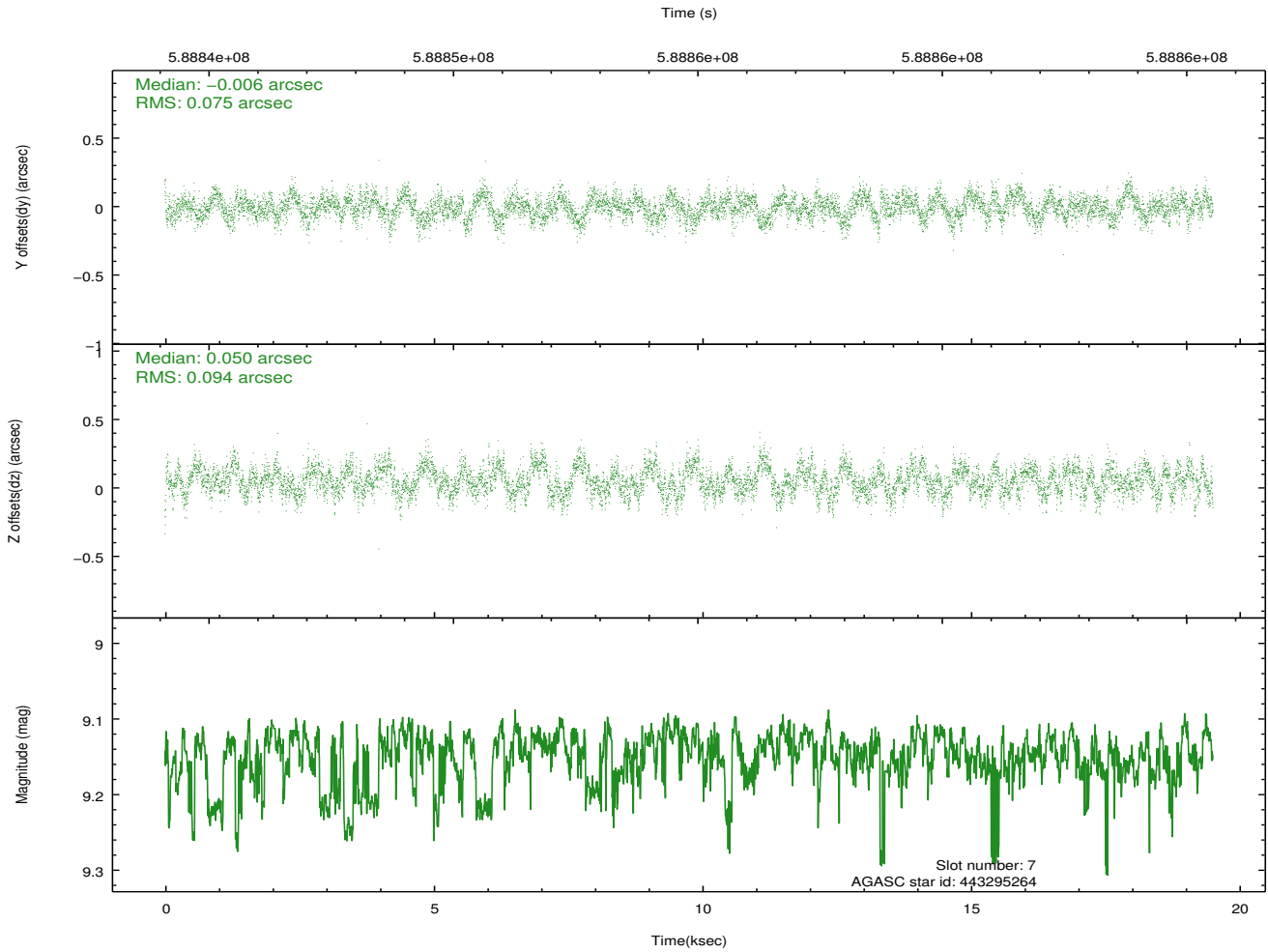
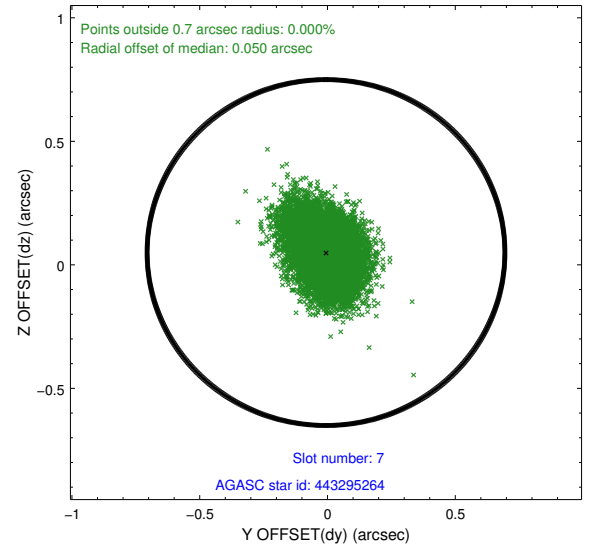
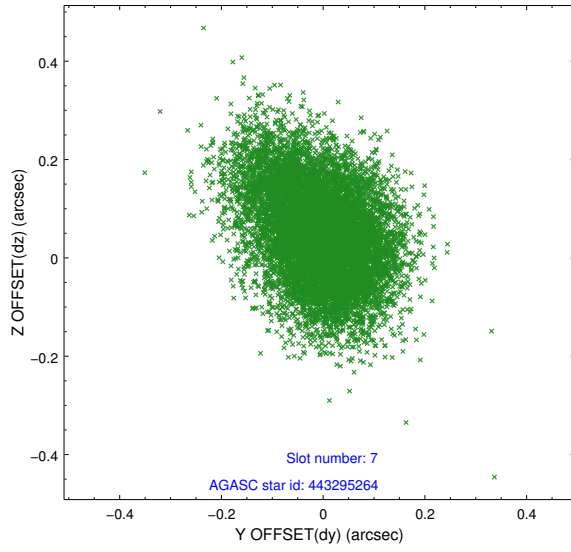
2.4.3 Slot 5



2.4.4 Slot 6

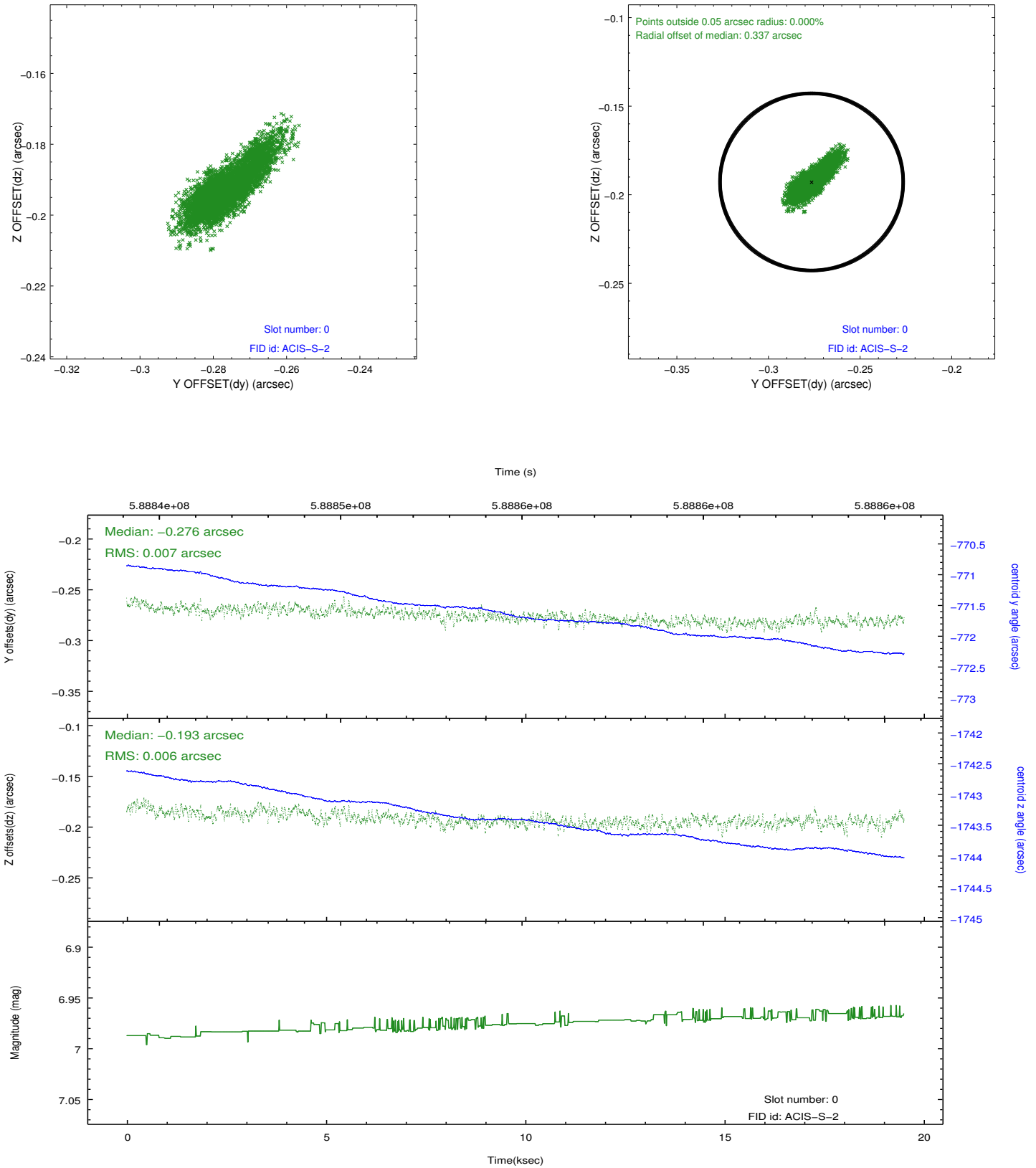


2.4.5 Slot 7

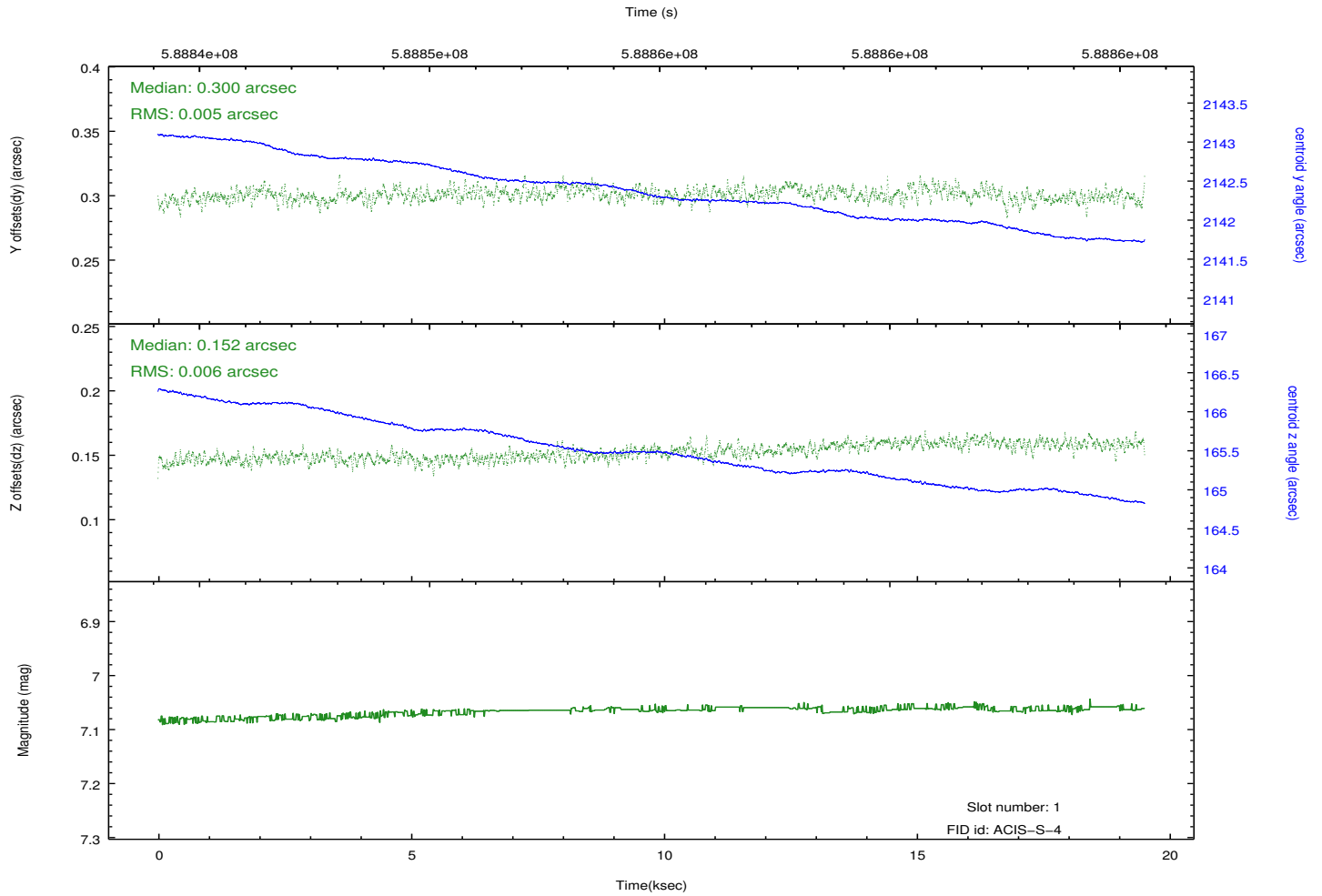
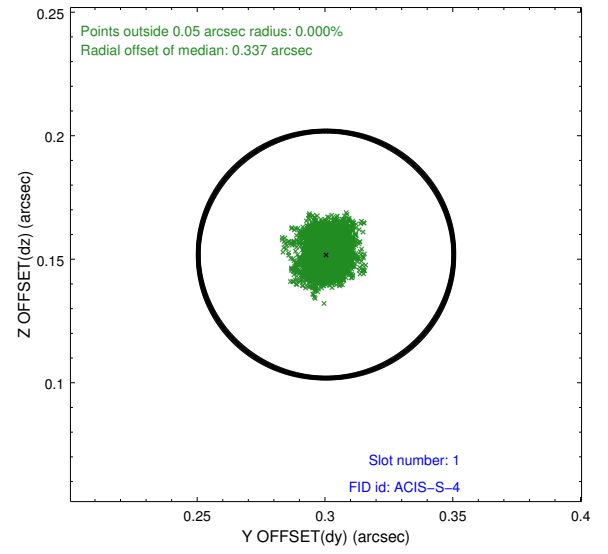
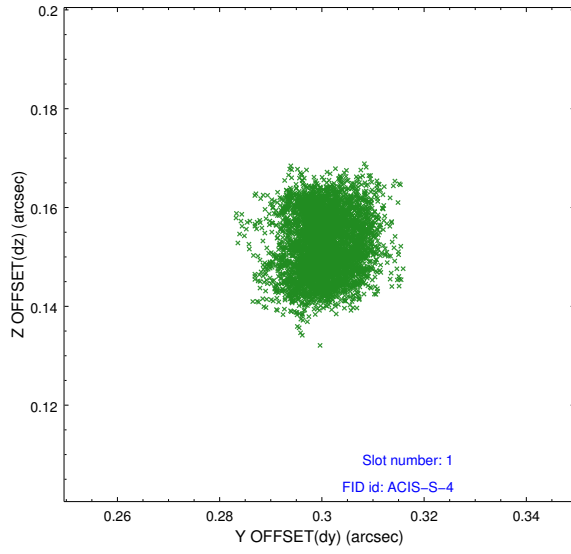


2.5 FID Slots

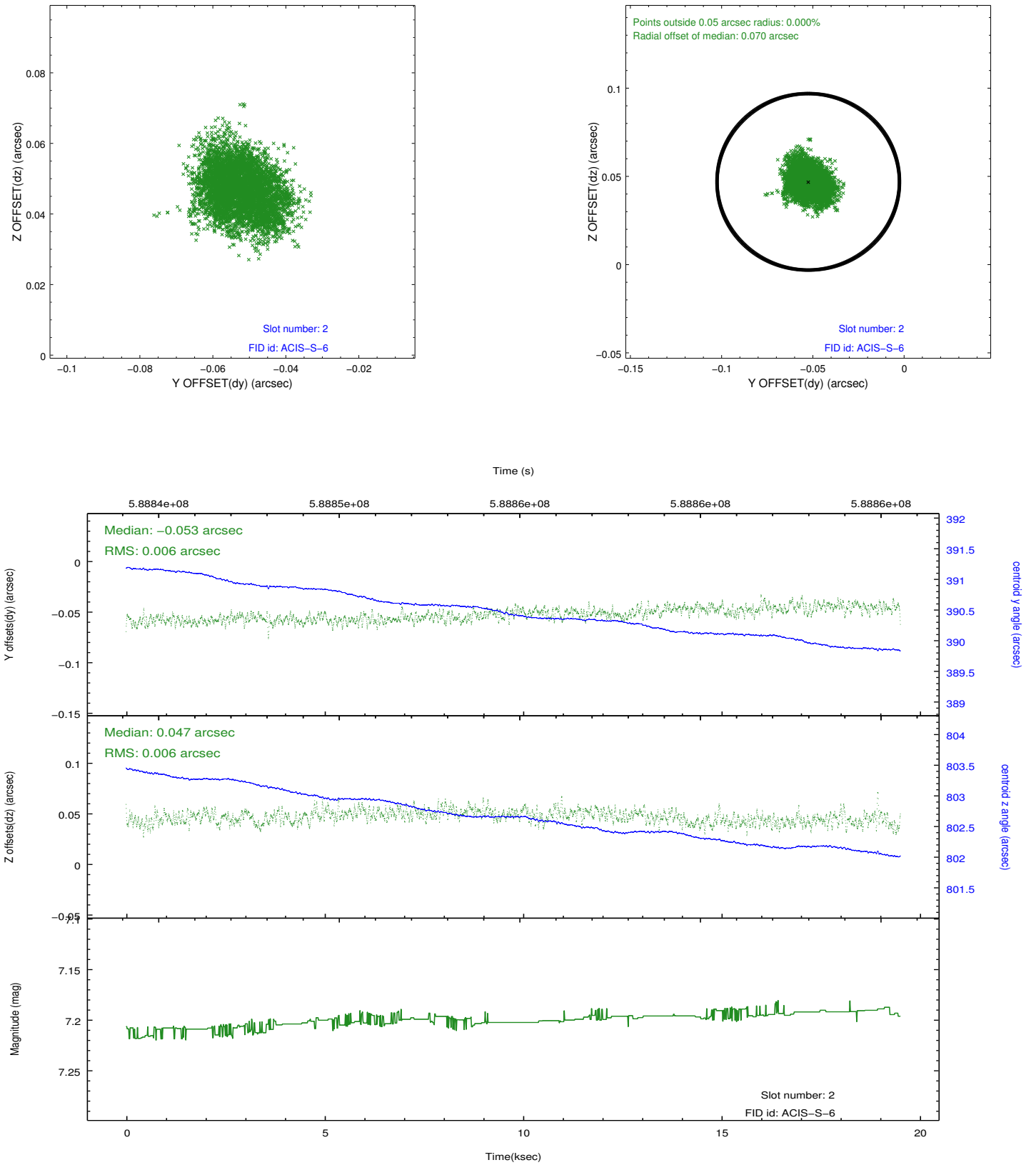
2.5.1 Slot 0



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)	2016.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.071481232047

A.2 Comments