

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17020 - L2 Version 1
Chandra X-Ray Center

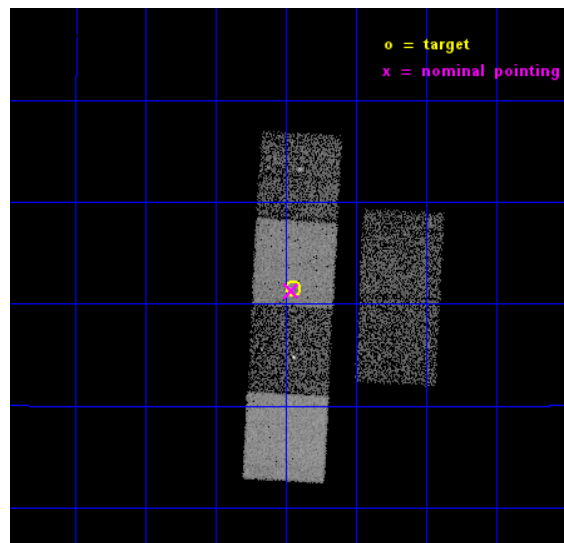
L2 Processing Date : Feb 26 2015

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1 Front

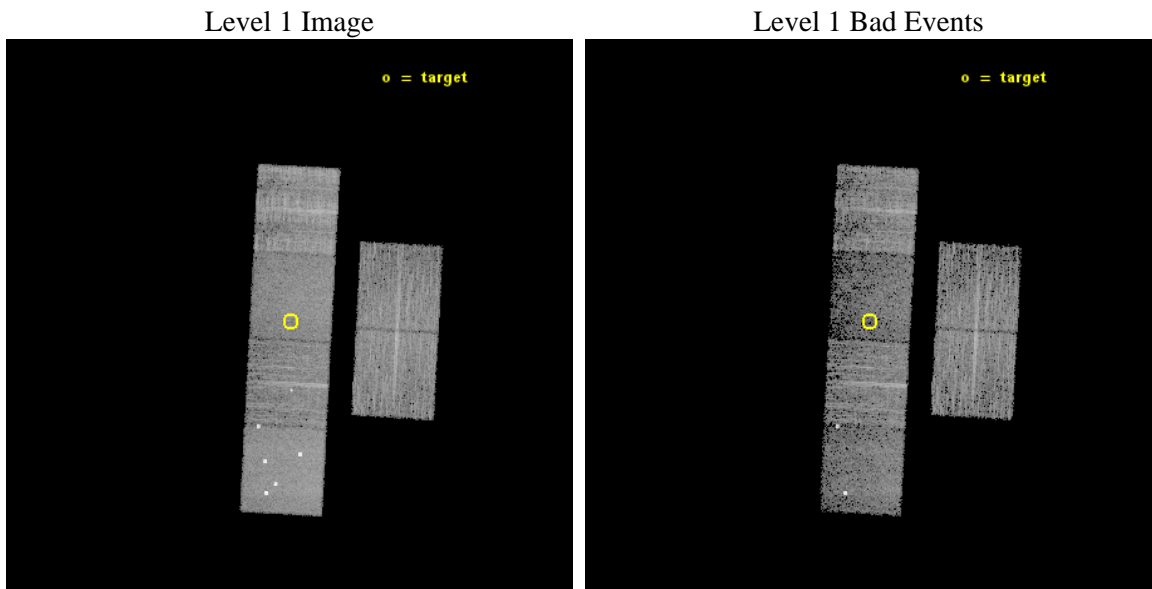
seq_num	601213	Sequence number
obs_id	17020	Observation id
title	S364 IN THE OLD OPEN CLUSTER M67: EXOPLANET HOST OR ACTIVE BINARY?	
observer	Dr. Maureen van den Berg	Principal investigator
object	M67 - S364	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.486667	Observer's specified target RA [deg]
dec_targ	11.6925	Observer's specified target Dec [deg]
ra_nom	132.49044751949	Nominal RA [deg]
dec_nom	11.688458166563	Nominal Dec [deg]
roll_nom	273.15586391904	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9945.600148201	Sum of GTIs [s]
livetime	9819.662970603	Livetime [s]
ontime2	9942.3590577841	Sum of GTIs [s]
ontime3	9945.600148201	Sum of GTIs [s]
ontime5	9945.600148201	Sum of GTIs [s]
ontime6	9945.600148201	Sum of GTIs [s]
ontime7	9945.600148201	Sum of GTIs [s]
ontime8	9942.3590779305	Sum of GTIs [s]
l2events	64590	Number of level 2 events



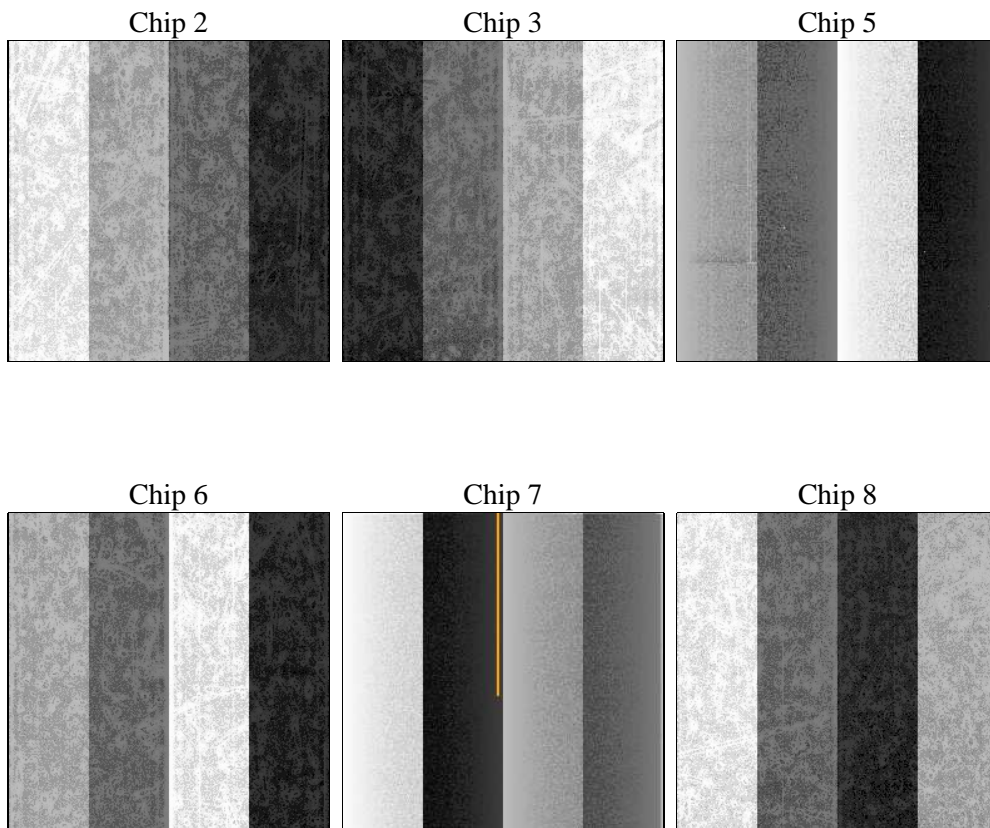
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	9945.600148201	Sum of GTIs [s]
caldbver	4.6.7	 	ontime2	9942.3590577841	Sum of GTIs [s]
date	2015-02-27T03:13:31	Date and time of file creation	ontime3	9945.600148201	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9945.600148201	Sum of GTIs [s]
			ontime6	9945.600148201	Sum of GTIs [s]
			ontime7	9945.600148201	Sum of GTIs [s]
			ontime8	9942.3590779305	Sum of GTIs [s]
			l1events	294910	Number of level 1 events

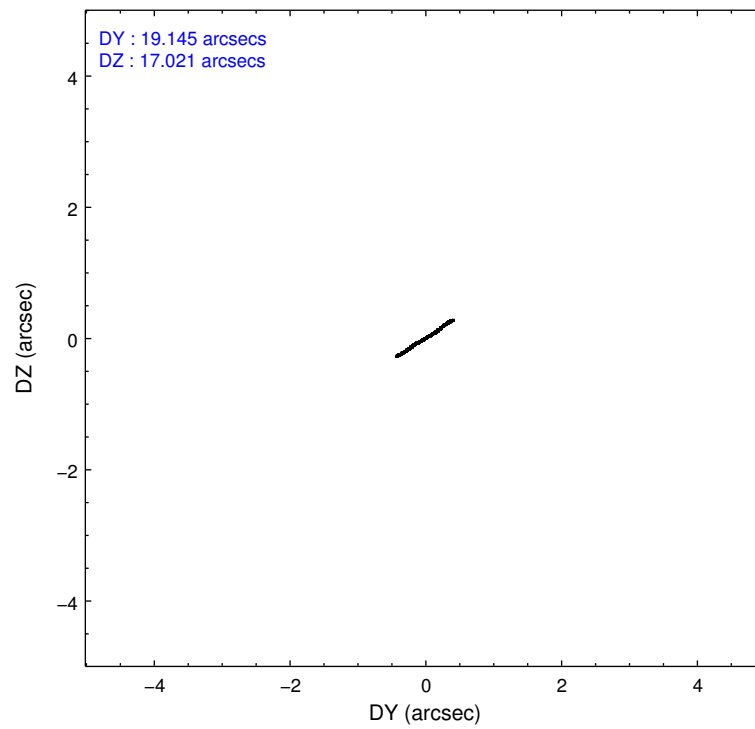
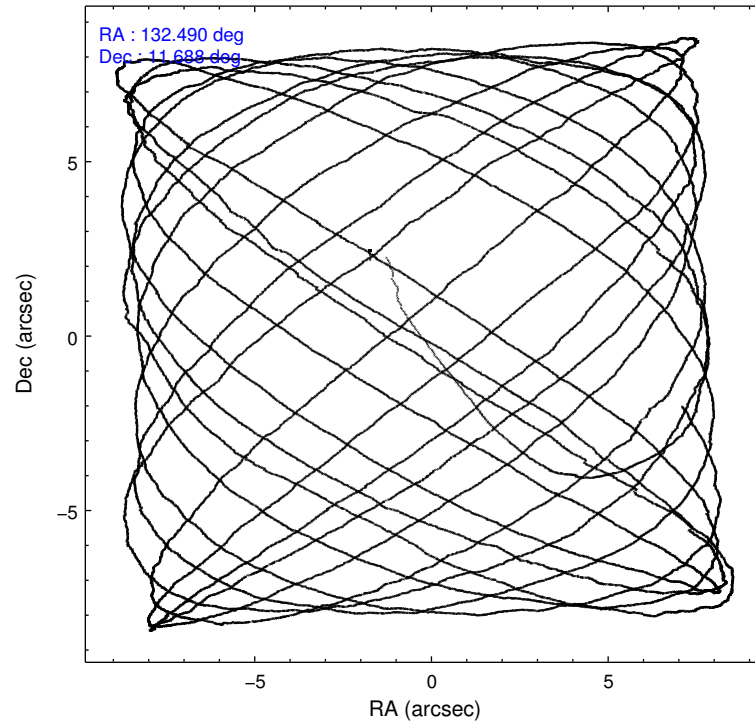
2.1.4 Events

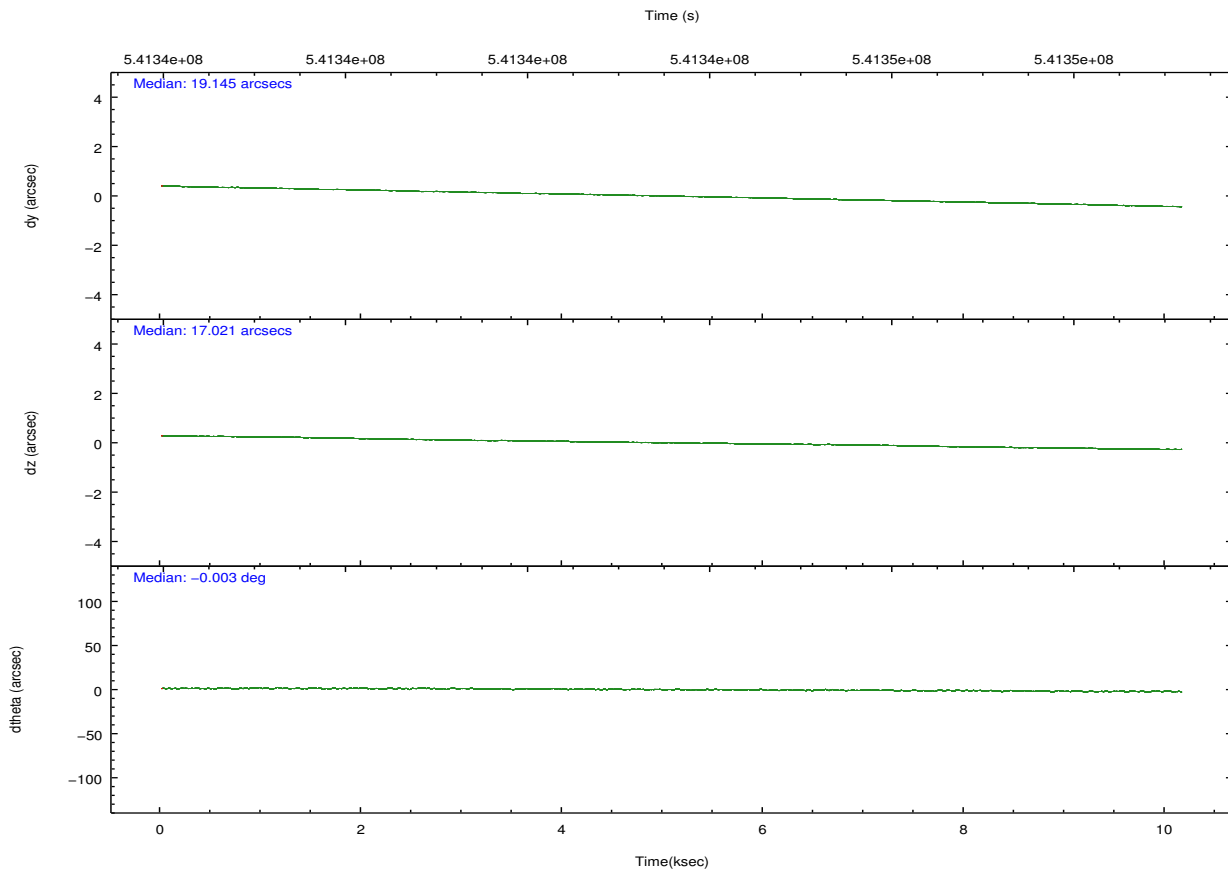
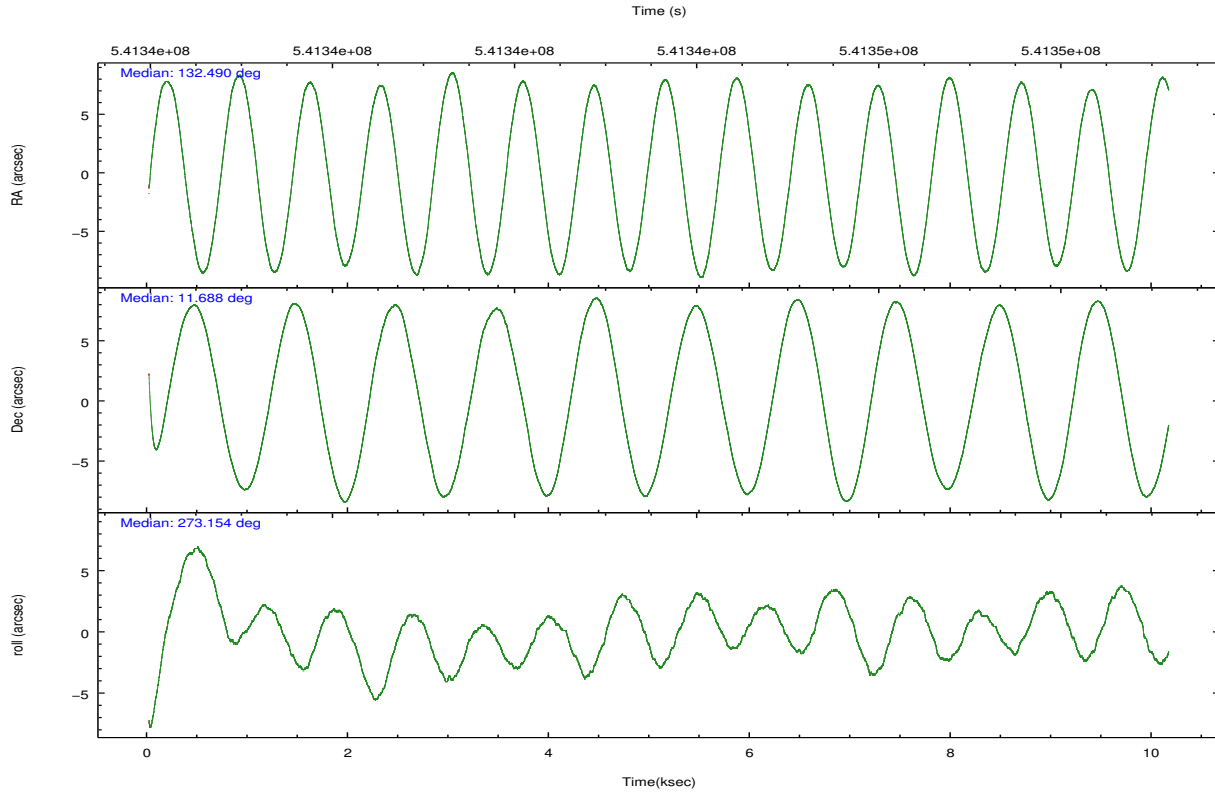
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46152	40449	68182	41422	41296	57409	grade 0 events	1682	1658	9396	2263	1825	4831
rejected events	41699	36063	29432	36049	20872	39984		3%	4%	13%	5%	4%	8%
rejected %	90%	89%	43%	87%	50%	69%	grade 1 events	21	19	434	22	41	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	1061	975	10693	1178	4635	4305
								2%	2%	15%	2%	11%	7%
							grade 3 events	477	449	1213	449	1675	1880
								1%	1%	1%	1%	4%	3%
							grade 4 events	435	470	1267	502	1752	1742
								0%	1%	1%	1%	4%	3%
							grade 5 events	1266	1524	4962	1509	4170	2454
								2%	3%	7%	3%	10%	4%
							grade 6 events	799	835	16192	982	10543	4672
								1%	2%	23%	2%	25%	8%
							grade 7 events	40411	34519	24025	34517	16655	37482
								87%	85%	35%	83%	40%	65%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	132.474749	132.4904475194926	CCD I2 on	O2	Y
[deg] Pointing Dec	11.711250	11.68845816656285	CCD I3 on	Y	Y
[deg] Pointing Roll	273.002422	273.1558639190435	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	541338672.184000	541336897.84948	CCD S5 on	N	N
Observation start date	2015-02-26T11:50:05	2015-02-26T11:21:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	541348672.184000	541349553.0126899	On-chip summing requested	N	N
Observation end date	2015-02-26T14:36:45	2015-02-26T14:52:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





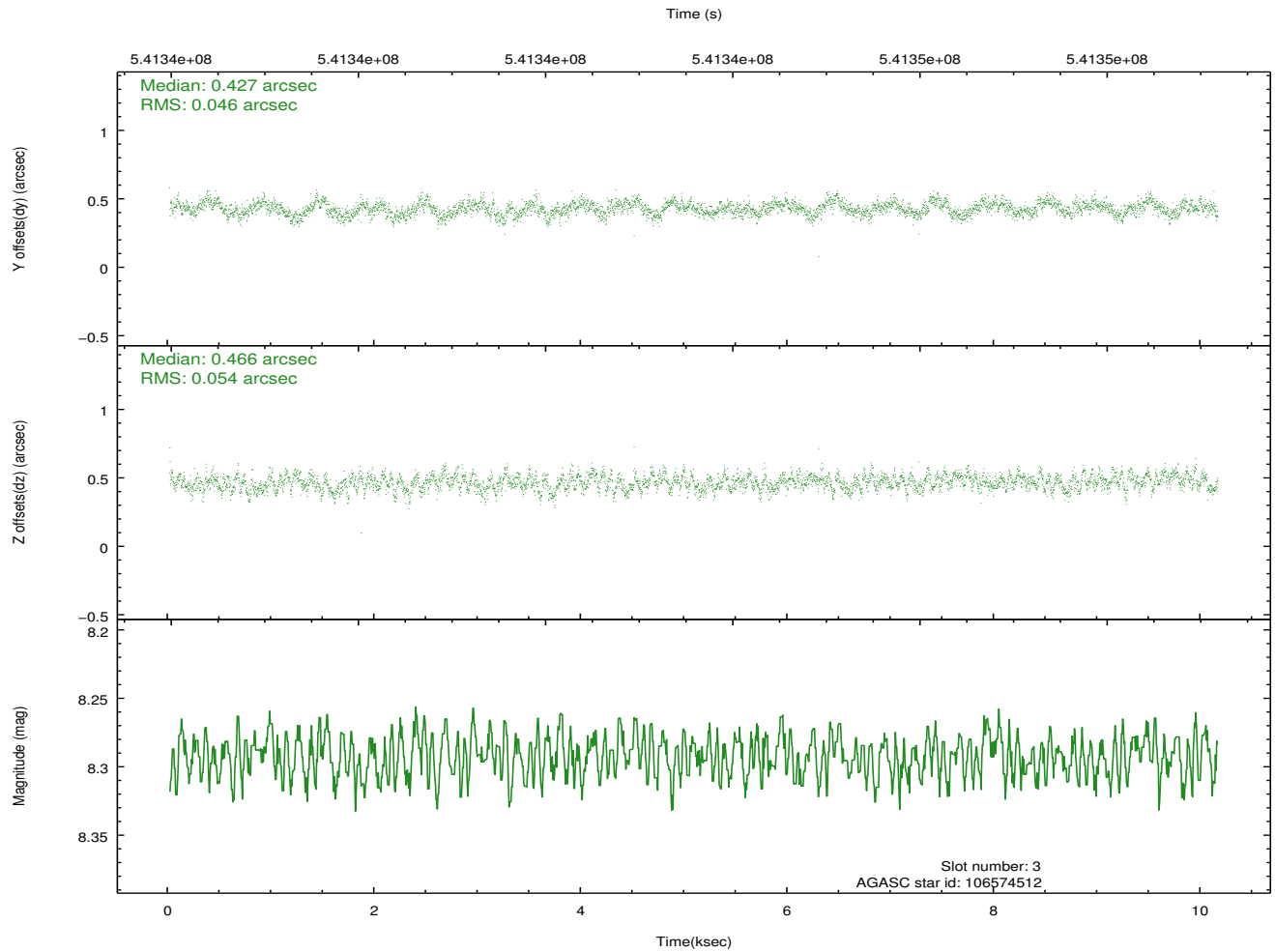
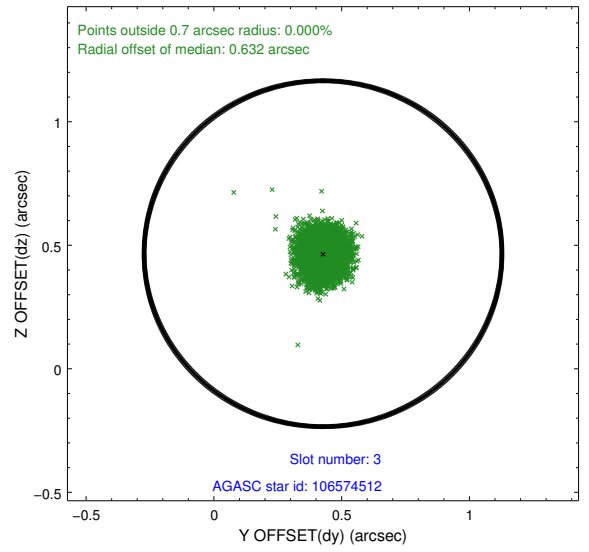
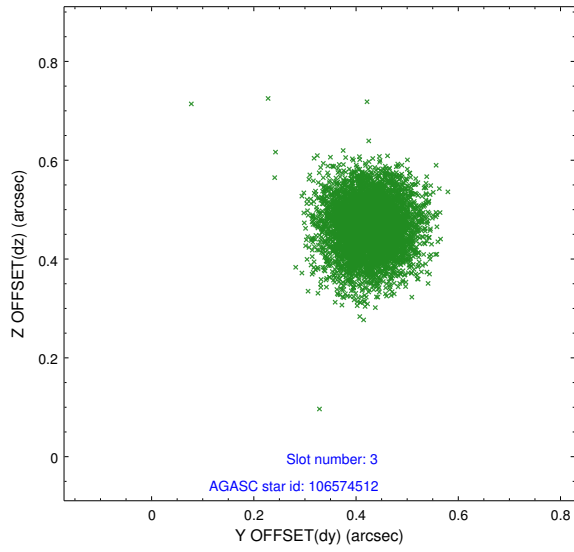
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	2477	-0.130	-0.072	0.015	0.024	0.000000	0.000000	-772.36	-1738.52
1	FID		ACIS-S-4	7.23	2477	0.362	0.082	0.009	0.015	0.000000	0.000000	2141.19	169.55
2	FID		ACIS-S-5	7.24	2477	-0.262	-0.002	0.009	0.015	0.000000	0.000000	-1824.65	163.77
3	GUIDE	used	106574512	8.29	4952	0.427	0.466	0.075	0.120	131.898300	12.170727	-1759.80	-1938.83
4	GUIDE	used	106698968	7.66	4952	-0.084	-0.030	0.071	0.115	132.955650	11.894157	-570.92	1725.59
5	GUIDE	used	106702400	7.89	4952	-0.173	-0.307	0.083	0.127	133.126975	11.258985	1743.56	2214.59
6	GUIDE	used	106711848	8.88	4952	0.086	0.013	0.082	0.136	132.833745	12.302905	-2061.41	1372.91
7	GUIDE	used	106712016	7.24	4952	-0.256	-0.142	0.073	0.113	132.984692	11.135900	2160.76	1690.67

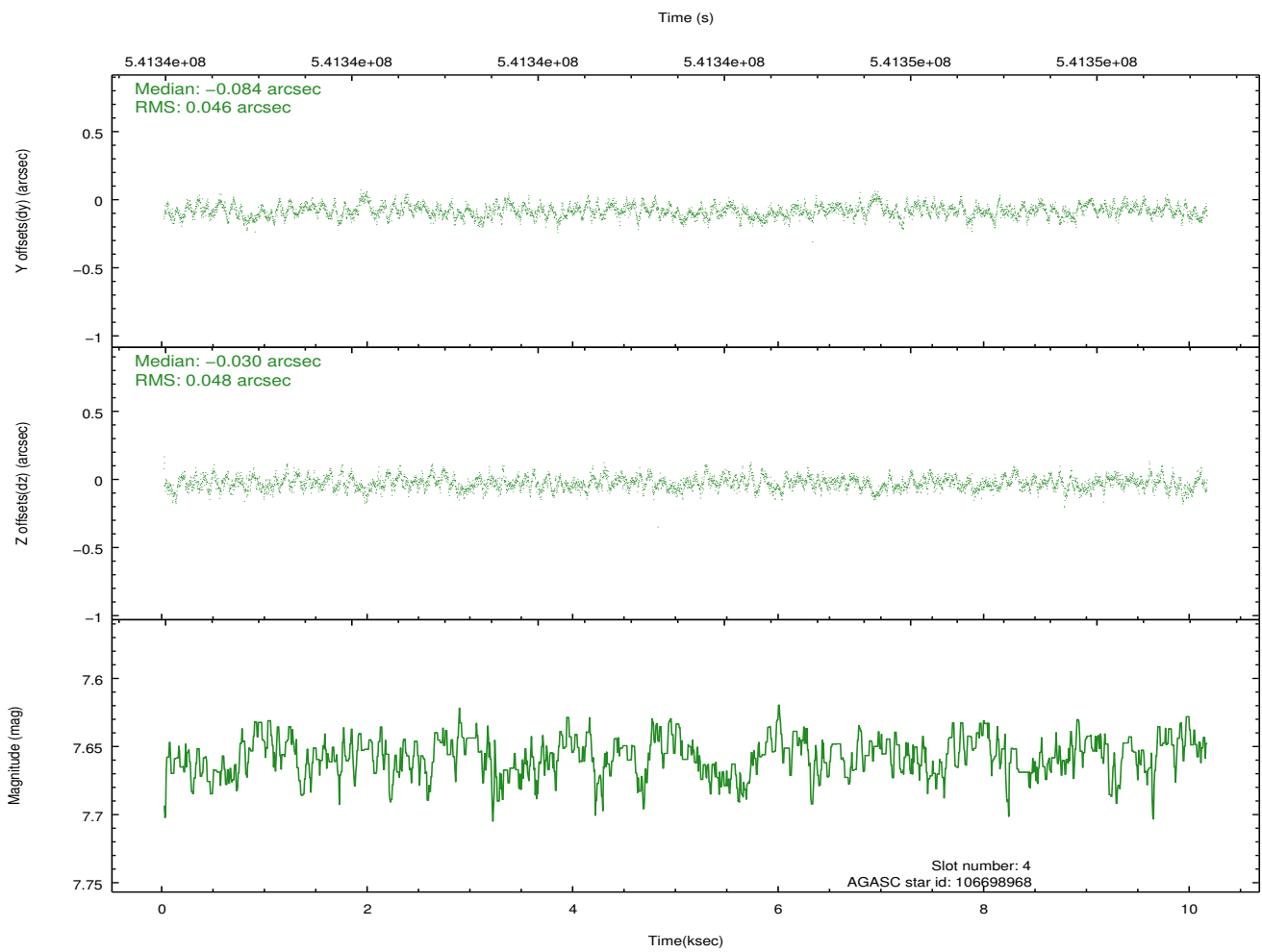
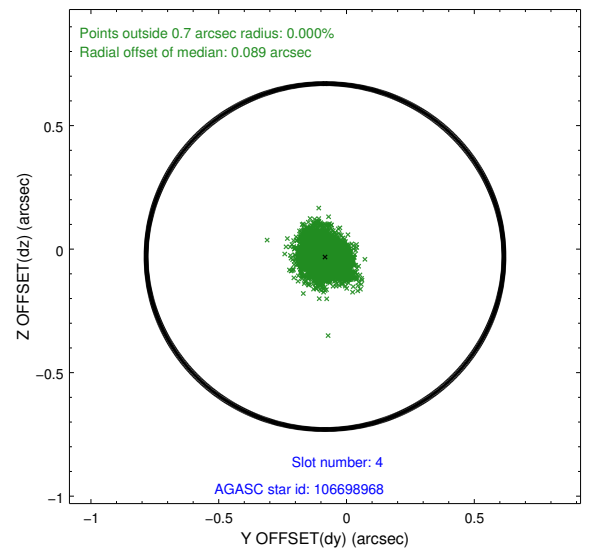
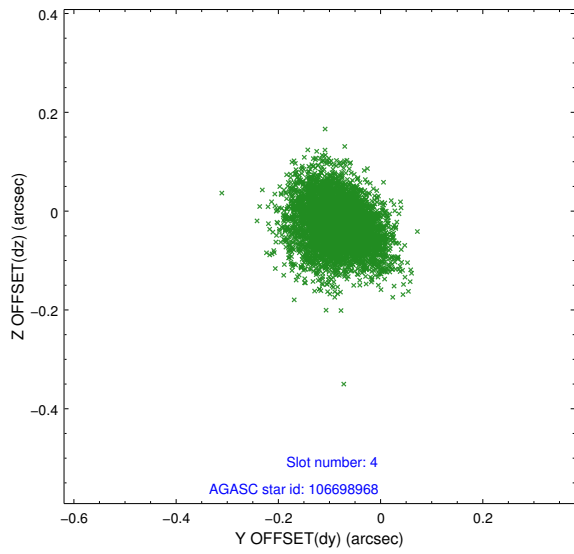
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2.4 Star Slots

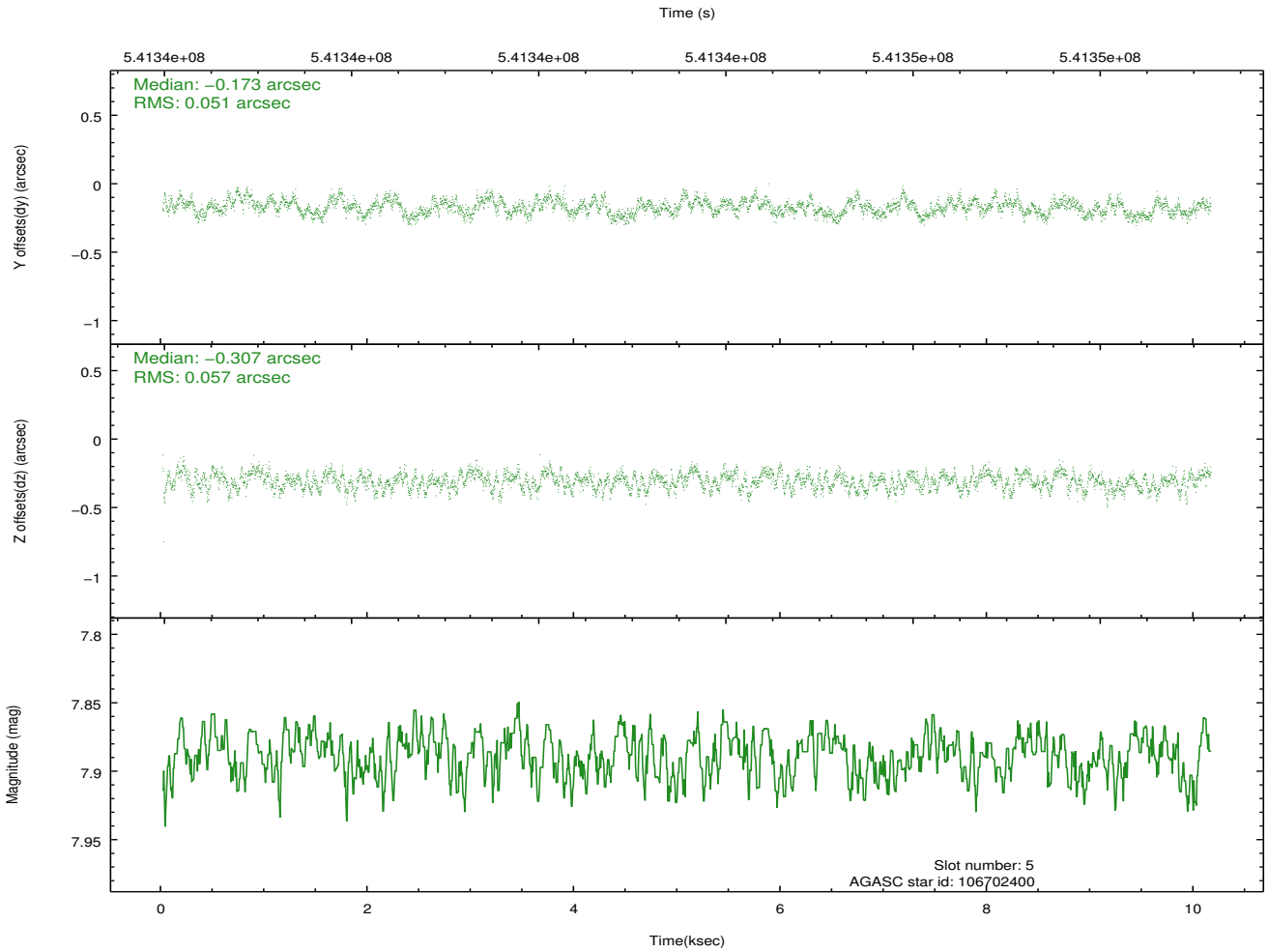
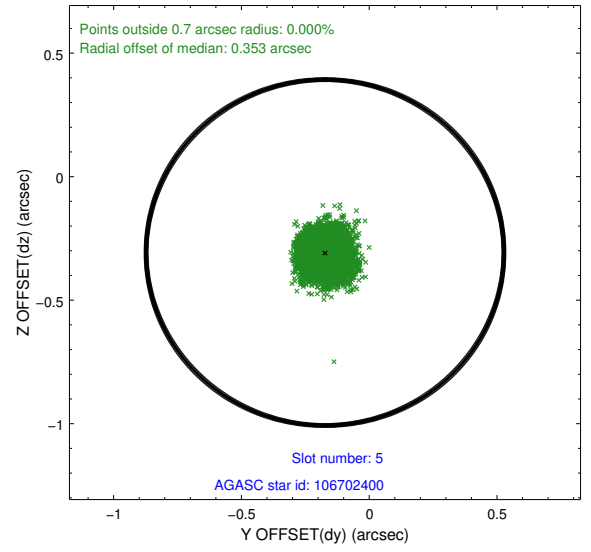
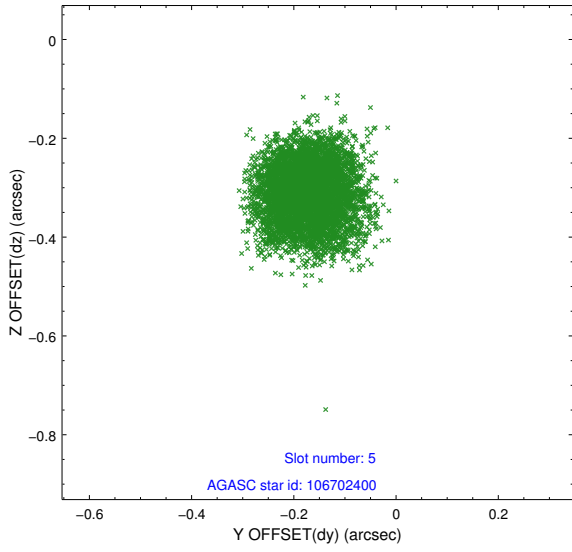
2.4.1 Slot 3



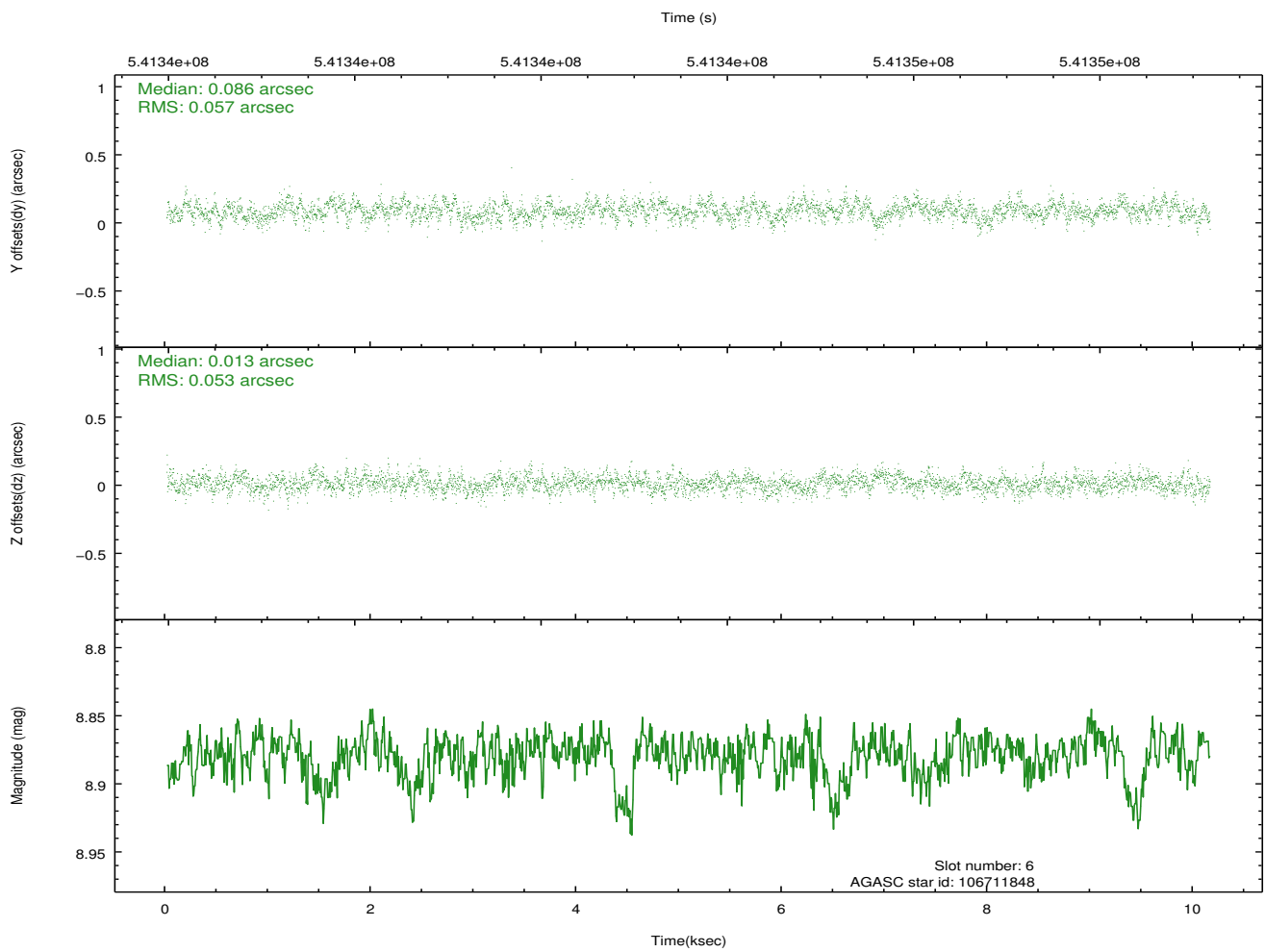
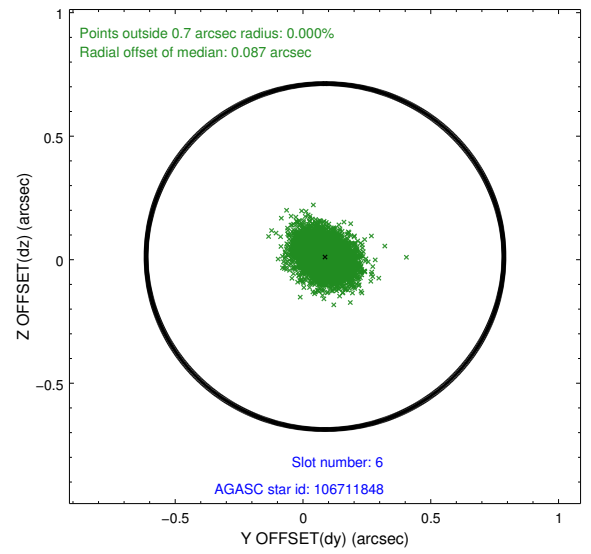
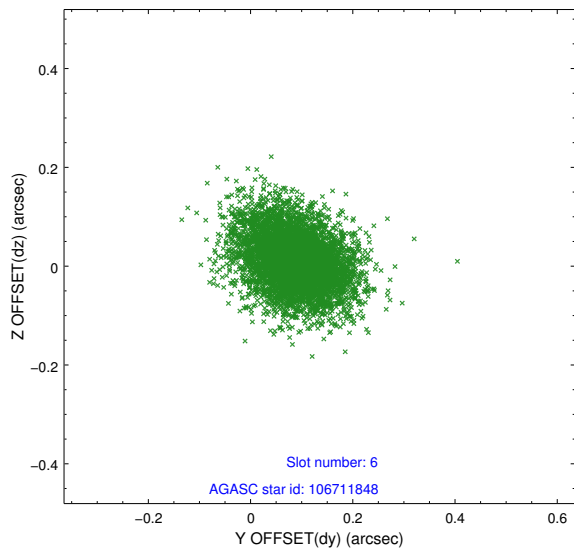
2.4.2 Slot 4



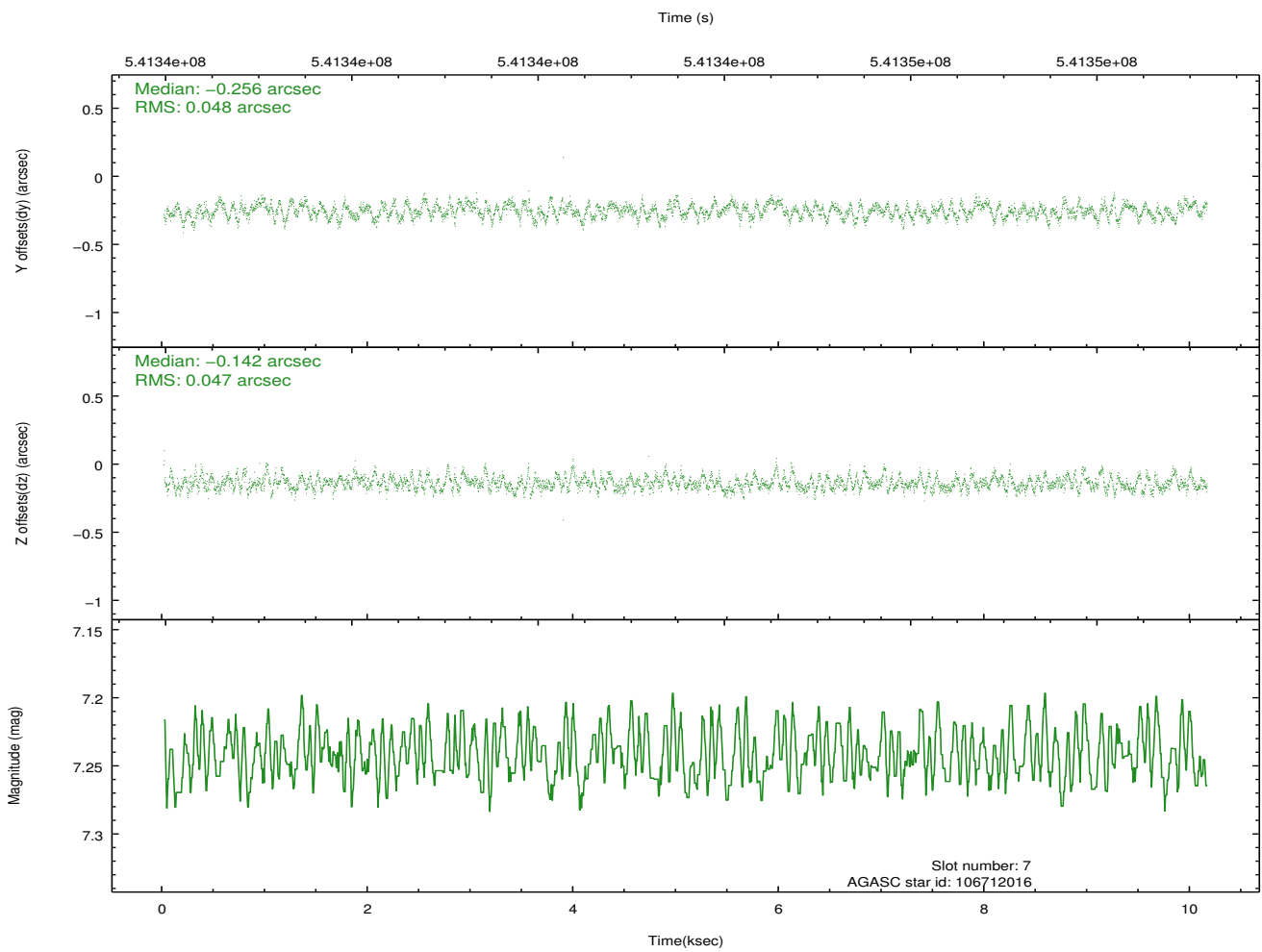
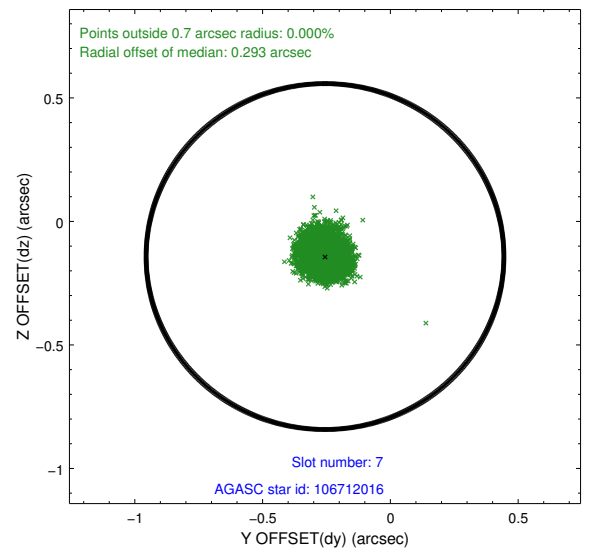
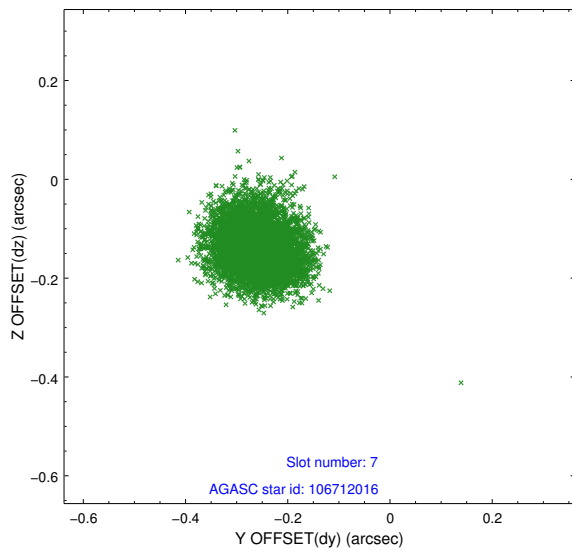
2.4.3 Slot 5



2.4.4 Slot 6

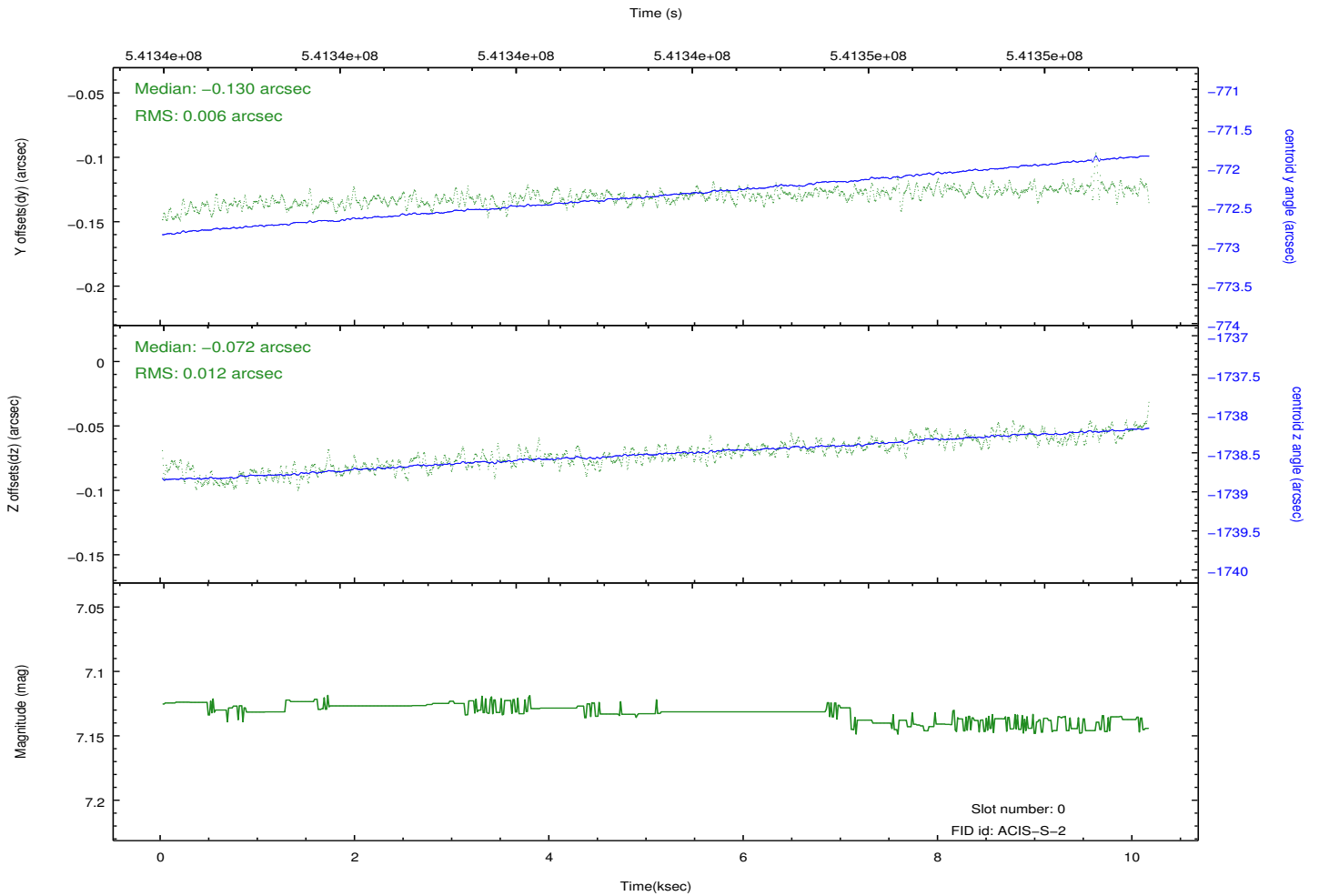
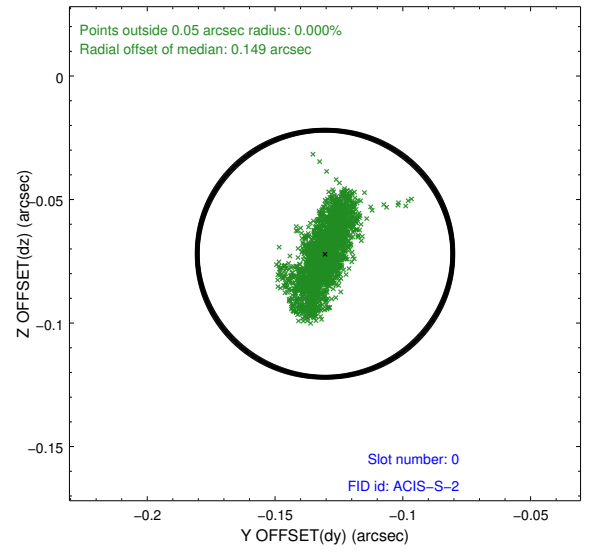
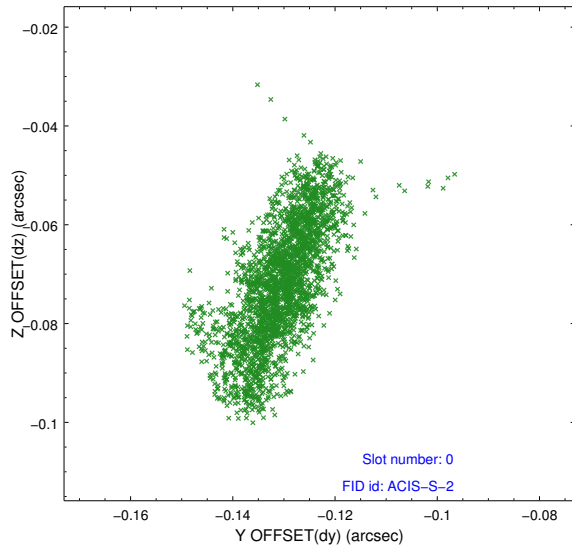


2.4.5 Slot 7

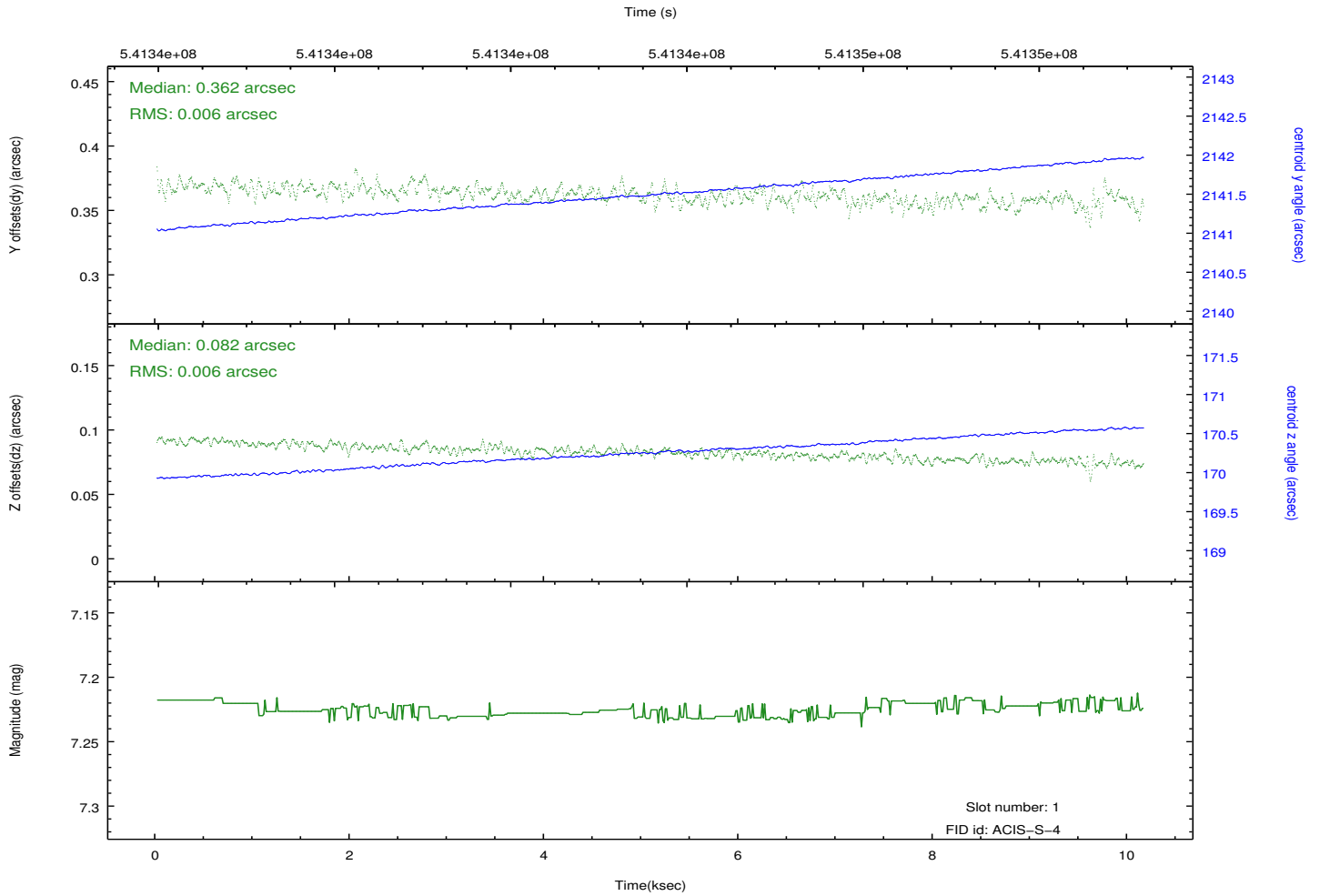
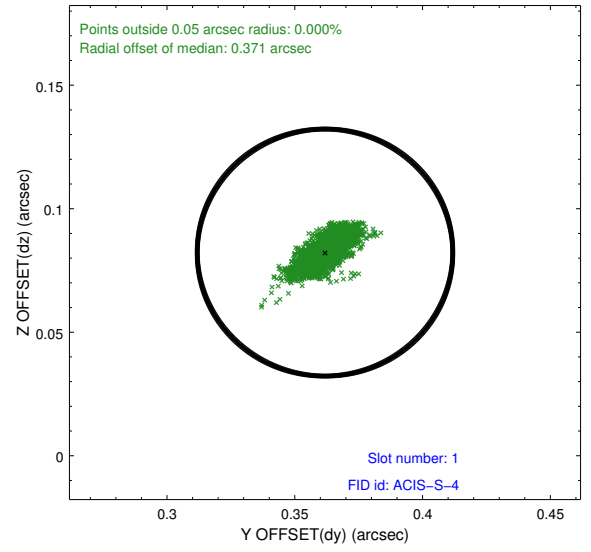
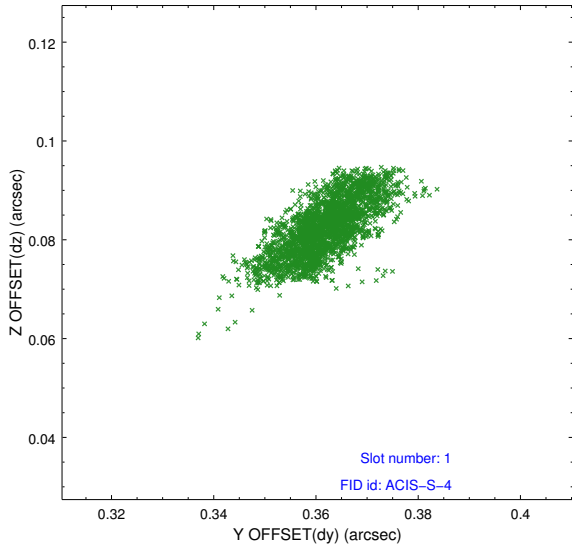


2.5 FID Slots

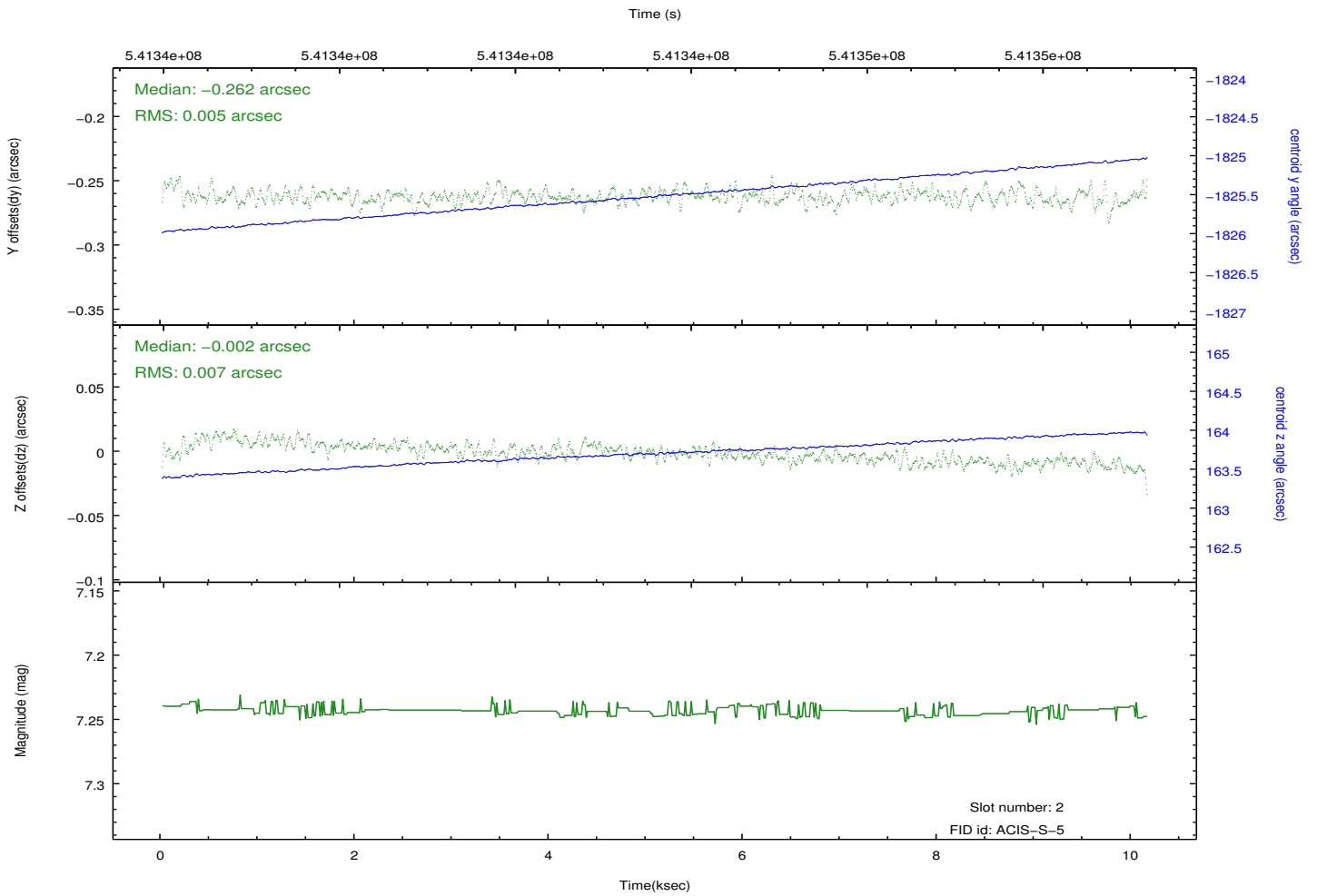
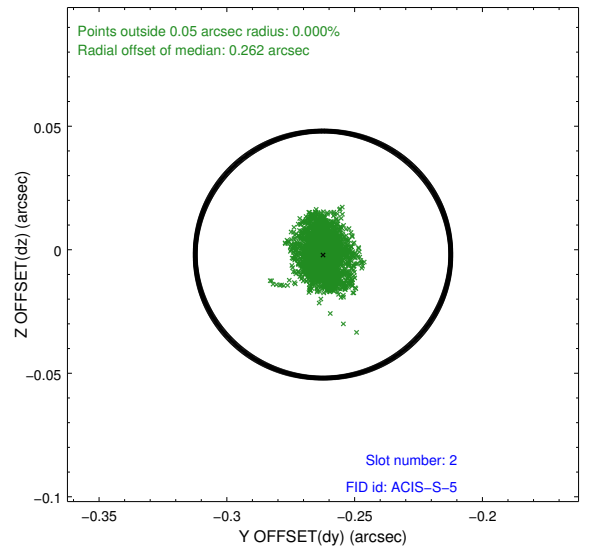
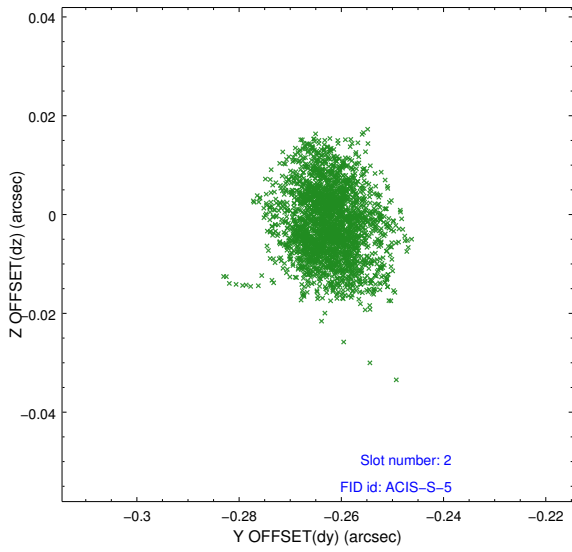
2.5.1 Slot 0



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)	2015.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.945600148201

A.2 Comments