

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 16758 - L2 Version 1
Chandra X-Ray Center

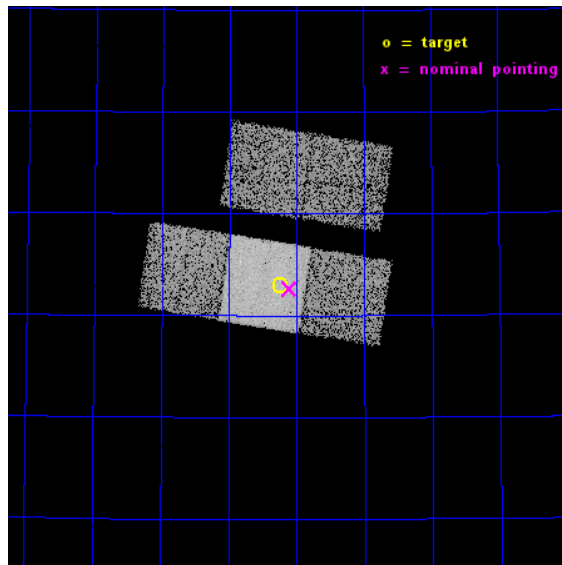
L2 Processing Date : Nov 17 2014

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1 Front

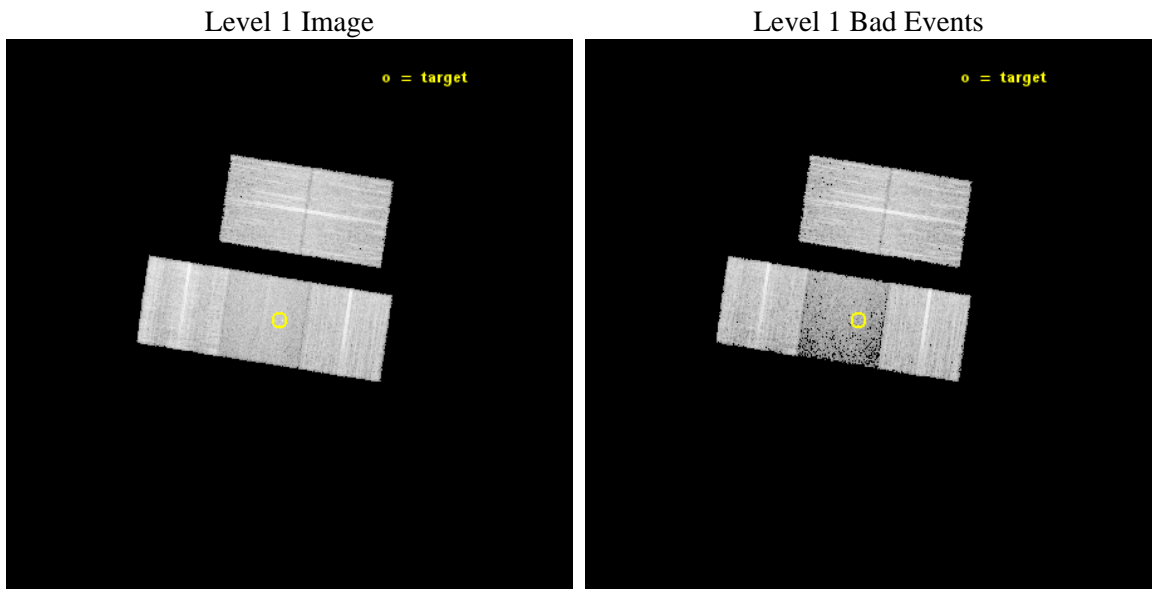
seq_num	502276	Sequence number
obs_id	16758	Observation id
title	G141.2+5.0: An Unusual New Pulsar-Wind Nebula	Proposal title
observer	Dr. Stephen Reynolds	Principal investigator
object	G141.2+5.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.3125	Observer's specified target RA [deg]
dec_targ	61.883333	Observer's specified target Dec [deg]
ra_nom	54.276795589601	Nominal RA [deg]
dec_nom	61.877342471277	Nominal Dec [deg]
roll_nom	188.68813917622	Nominal Roll [deg]
revision	1	Processing version of data
ontime	17703.140165746	Sum of GTIs [s]
livetime	17471.835606619	Livetime [s]
ontime2	17702.976005733	Sum of GTIs [s]
ontime3	17703.05808574	Sum of GTIs [s]
ontime6	17703.099125743	Sum of GTIs [s]
ontime7	17703.140165746	Sum of GTIs [s]
ontime8	17703.017045736	Sum of GTIs [s]
l2events	55251	Number of level 2 events



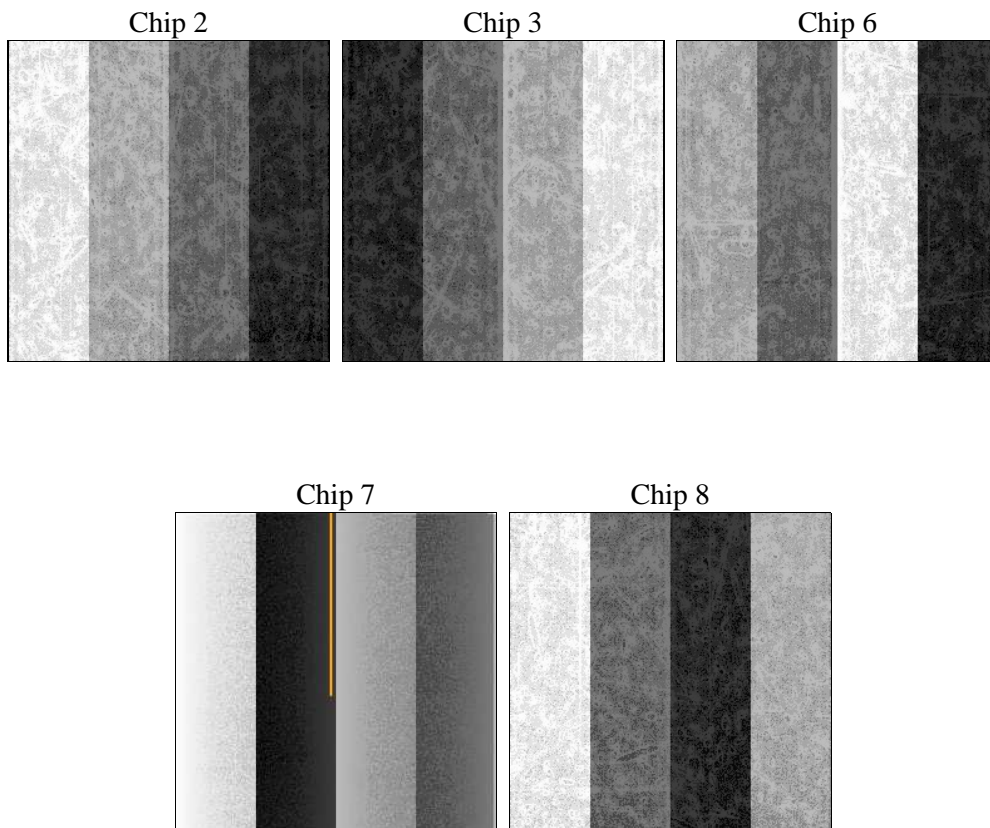
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17638.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	17703.140165746	Sum of GTIs [s]
caldbver	4.6.4	 	ontime2	17702.976005733	Sum of GTIs [s]
date	2014-11-17T14:56:22	Date and time of file creation	ontime3	17703.05808574	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	17703.099125743	Sum of GTIs [s]
			ontime7	17703.140165746	Sum of GTIs [s]
			ontime8	17703.017045736	Sum of GTIs [s]
			l1events	366953	Number of level 1 events

2.1.4 Events

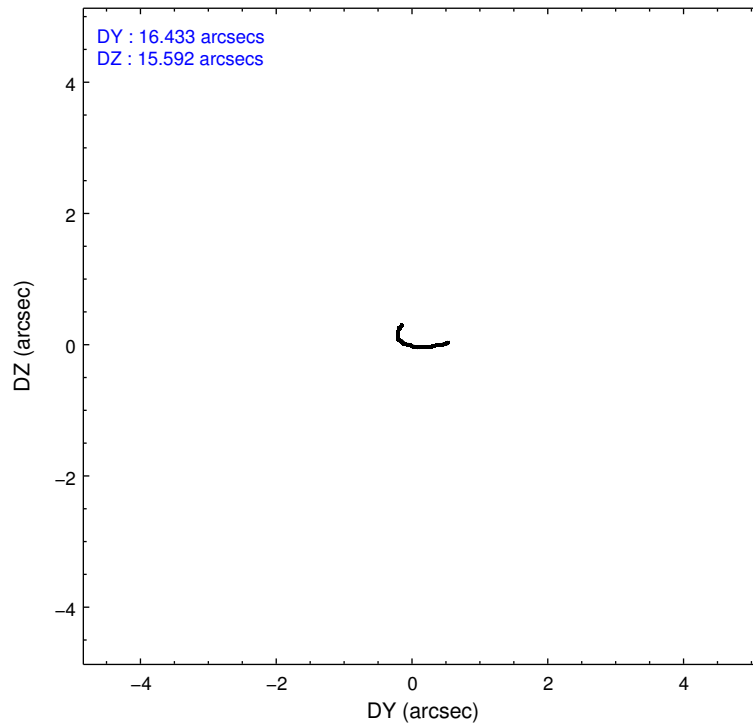
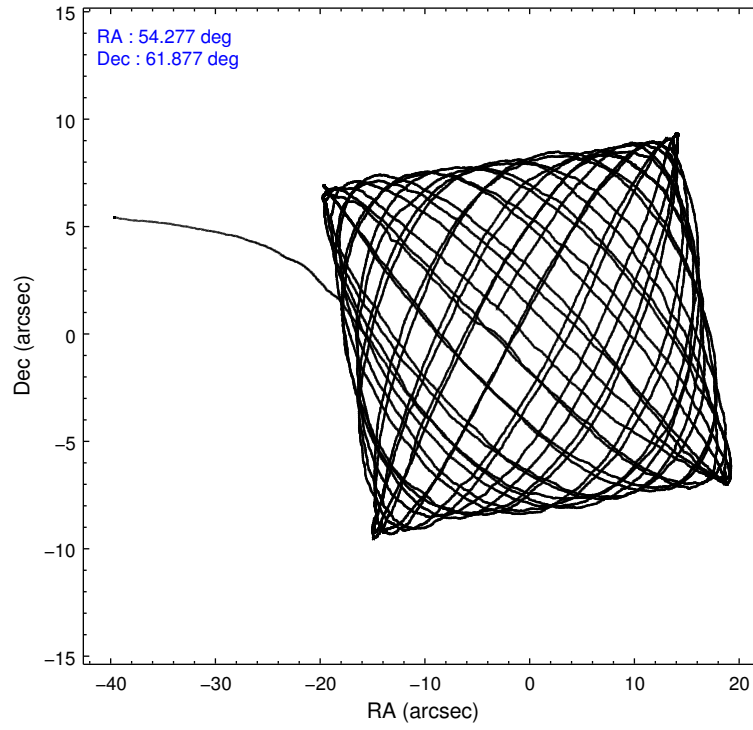
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	71672	73719	74789	55221	91552
rejected events	64396	66758	66971	25170	65260
rejected %	89%	90%	89%	45%	71%

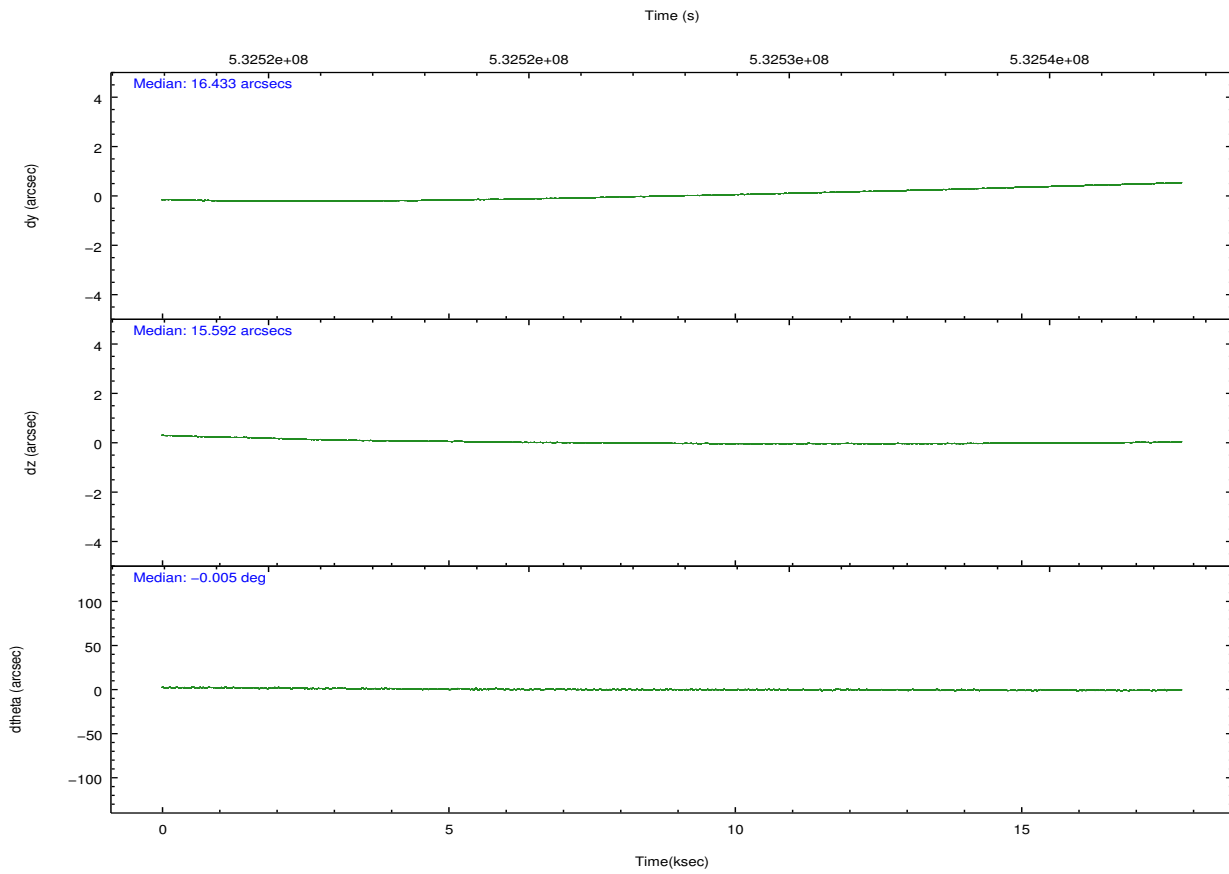
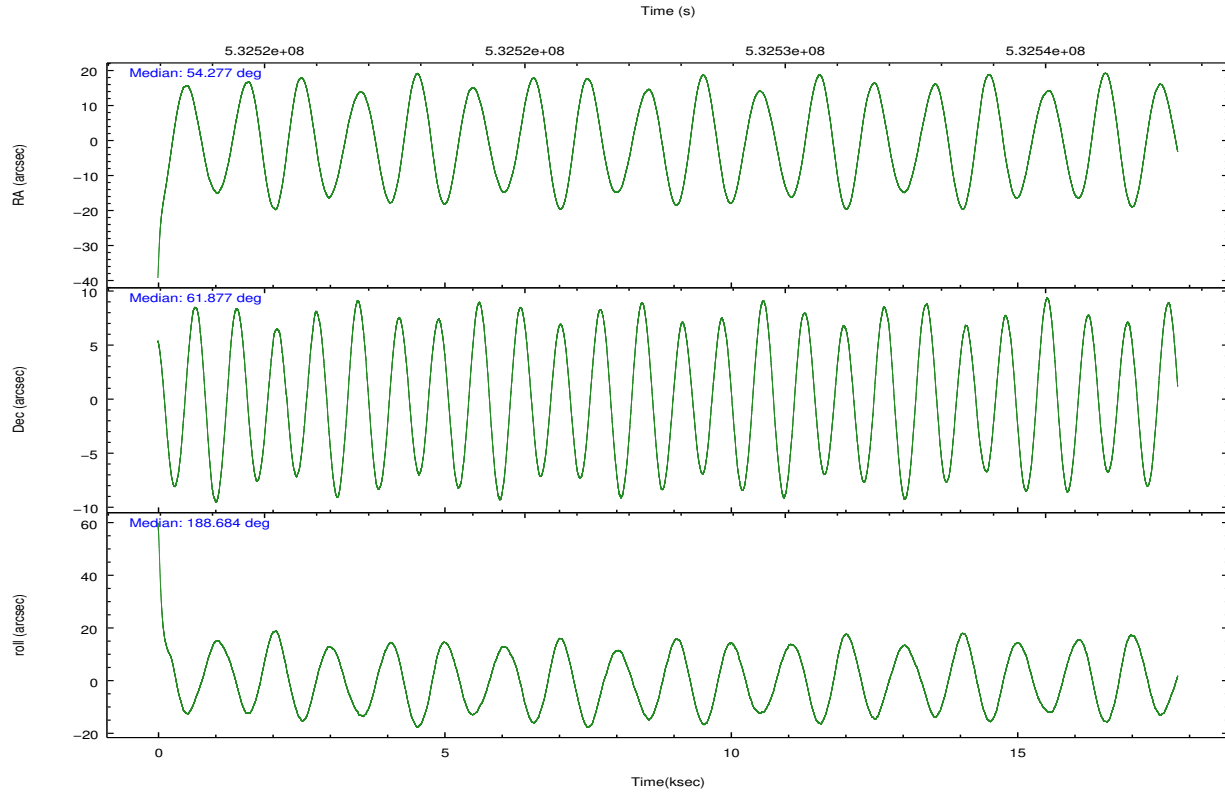
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2956	2803	2916	3519	7546
	4%	3%	3%	6%	8%
grade 1 events	44	40	33	122	64
	0%	0%	0%	0%	0%
grade 2 events	1655	1536	1901	7244	6550
	2%	2%	2%	13%	7%
grade 3 events	708	726	767	2623	2590
	0%	0%	1%	4%	2%
grade 4 events	749	713	748	2624	2538
	1%	0%	1%	4%	2%
grade 5 events	1519	2045	1989	5641	3568
	2%	2%	2%	10%	3%
grade 6 events	1209	1186	1488	14055	7098
	1%	1%	1%	25%	7%
grade 7 events	62832	64670	64947	19393	61598
	87%	87%	86%	35%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	54.321748	54.27679558960098	CCD I2 on	O1	Y
[deg] Pointing Dec	61.894778	61.87734247127747	CCD I3 on	Y	Y
[deg] Pointing Roll	188.491841	188.6881391762152	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	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)	532519003.184000	532517683.58243	CCD S5 on	N	N
Observation start date	2014-11-16T09:55:36	2014-11-16T09:34:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	532536641.184000	532537693.63354	On-chip summing requested	N	N
Observation end date	2014-11-16T14:49:34	2014-11-16T15:08:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





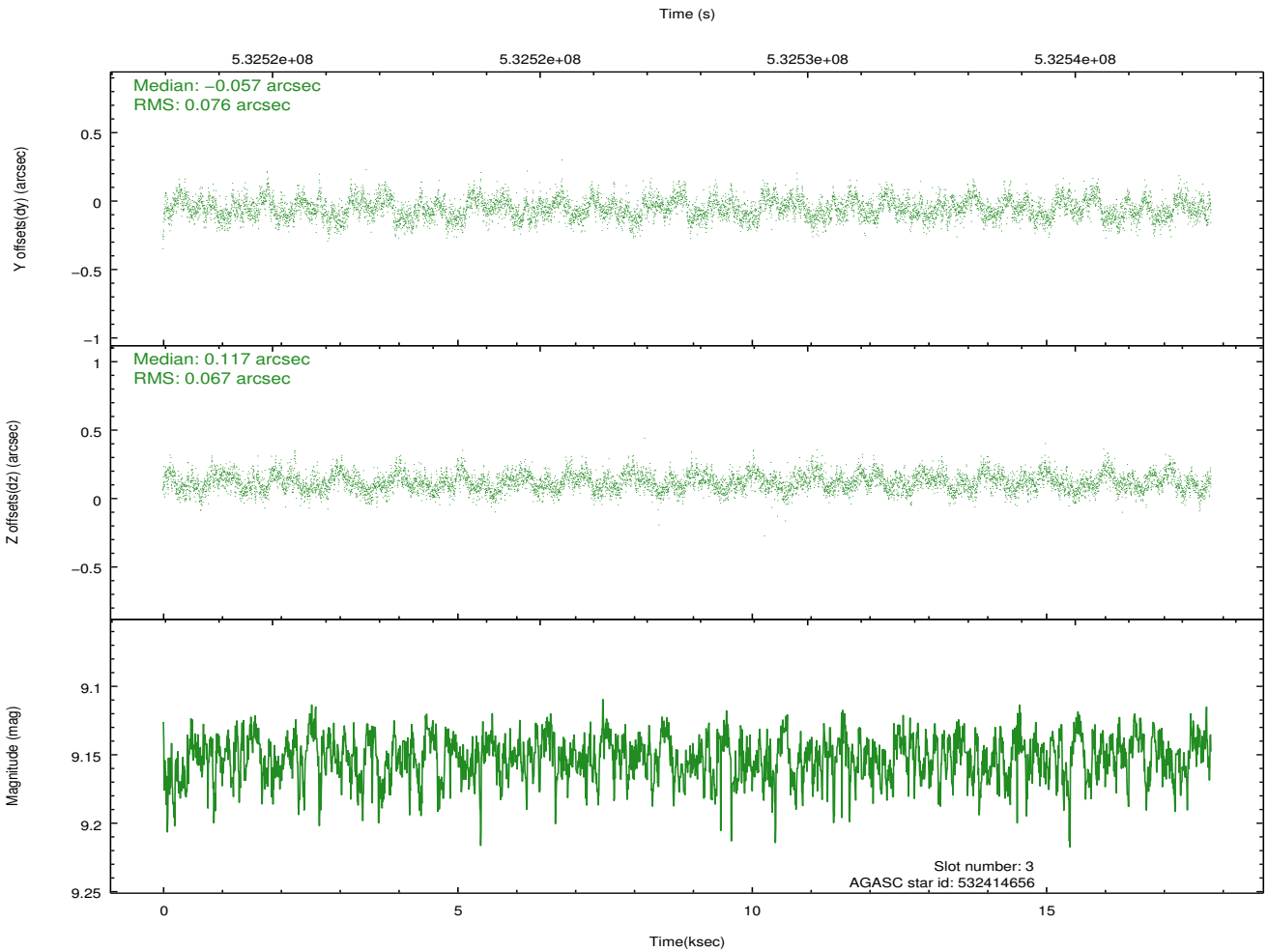
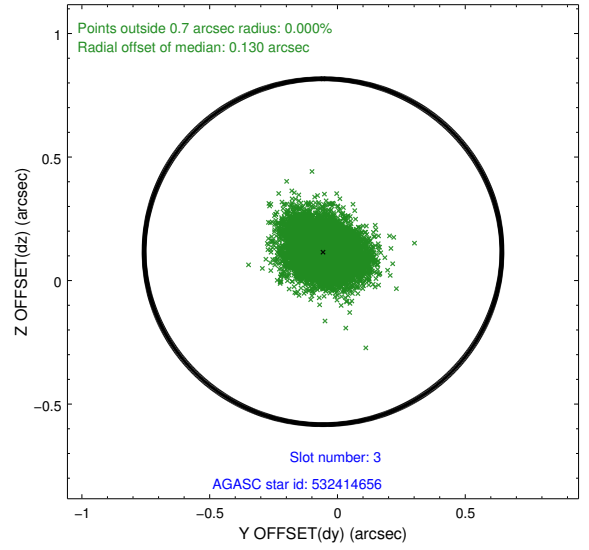
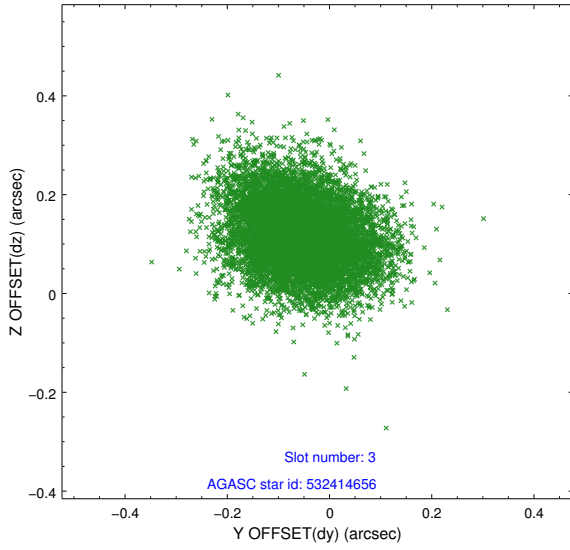
Slot Statistics

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	4343	-0.118	-0.008	0.009	0.014	0.000000	0.000000	-769.58	-1737.04
1	FID		ACIS-S-4	7.22	4343	0.240	0.059	0.009	0.016	0.000000	0.000000	2143.92	171.31
2	FID		ACIS-S-5	7.25	4342	-0.154	-0.042	0.009	0.014	0.000000	0.000000	-1822.20	165.08
3	GUIDE	used	532414656	9.15	8679	-0.057	0.117	0.108	0.175	52.946768	61.858554	2325.06	-239.87
4	GUIDE	used	532416296	8.84	8685	-0.109	-0.387	0.093	0.150	53.188893	61.249025	2281.30	1995.01
5	GUIDE	used	532942680	9.02	8680	0.143	0.001	0.113	0.182	53.338812	62.229928	1451.49	-1448.43
6	GUIDE	used	532943112	8.90	8677	0.020	0.023	0.147	0.233	52.948004	61.967076	2257.28	-624.62
7	GUIDE	used	532947168	7.54	8682	-0.011	0.250	0.075	0.119	53.758920	62.525324	589.82	-2386.88

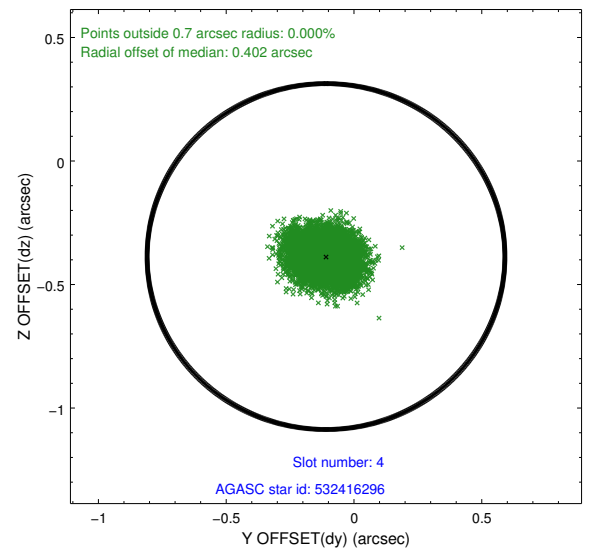
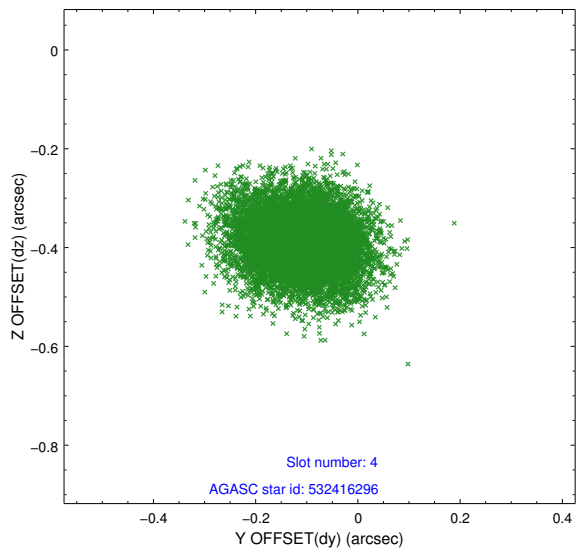
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2.4 Star Slots

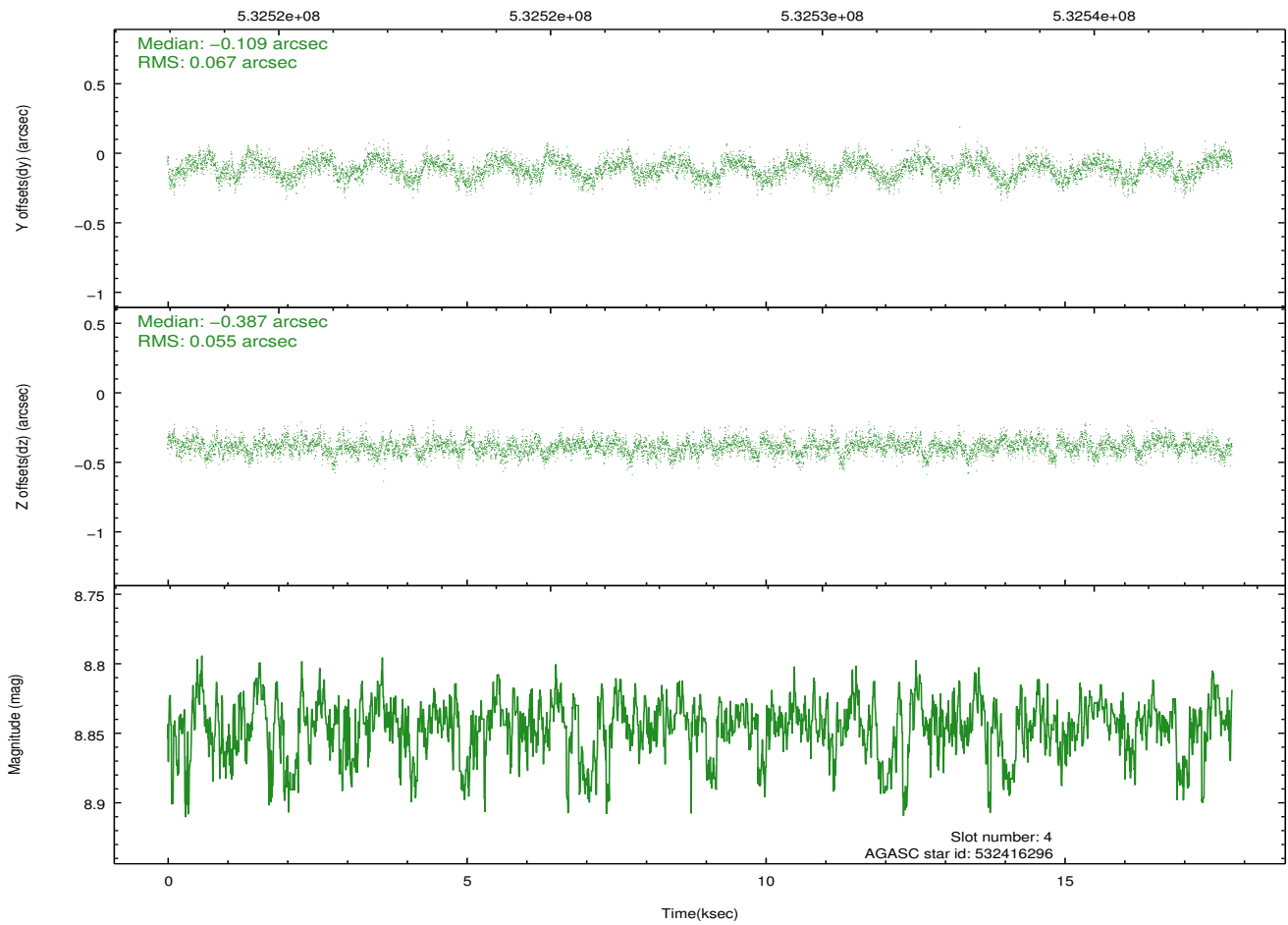
2.4.1 Slot 3



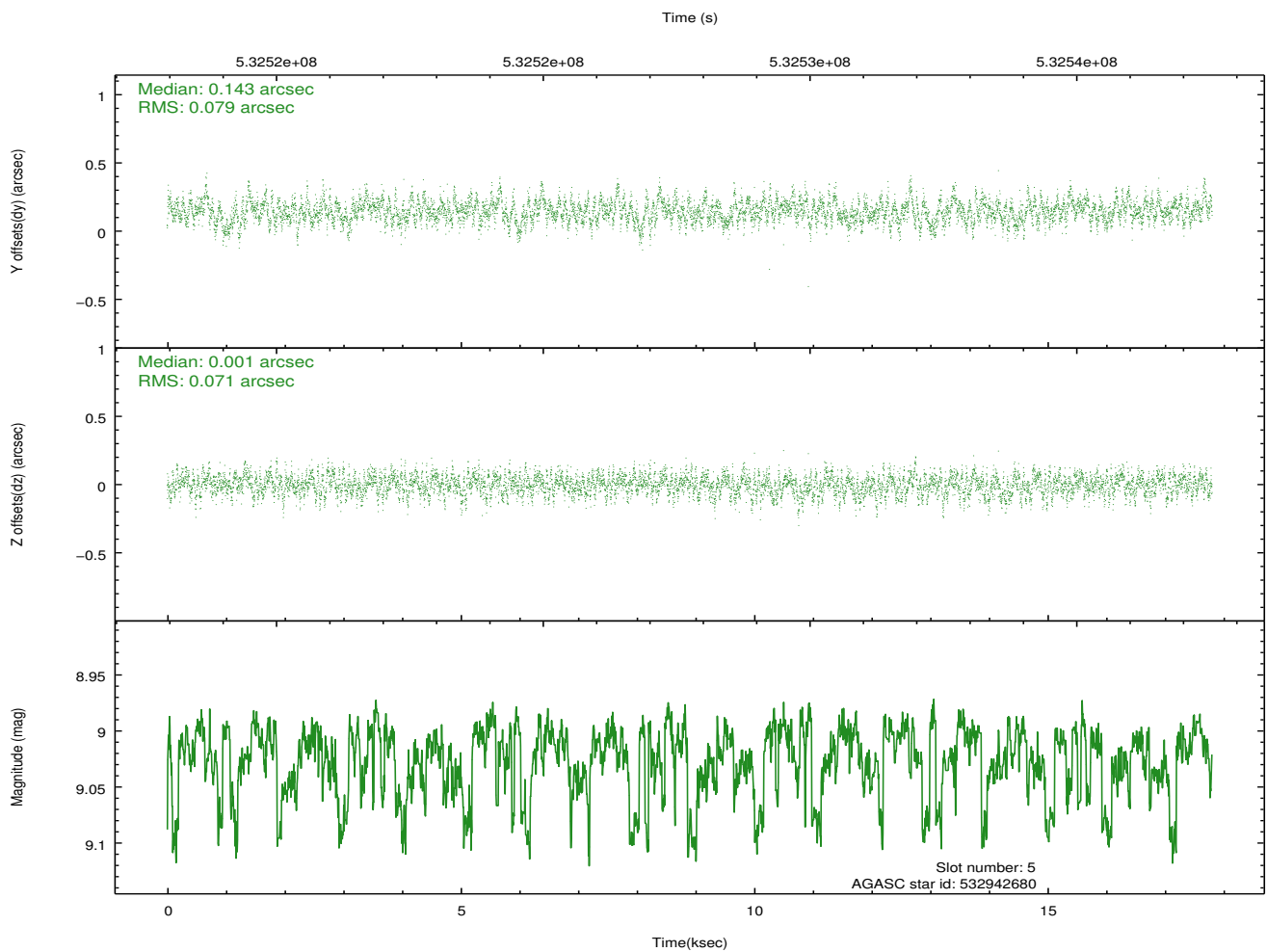
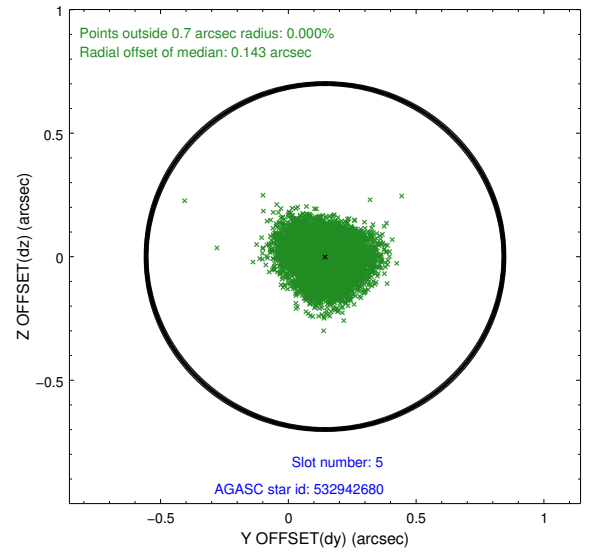
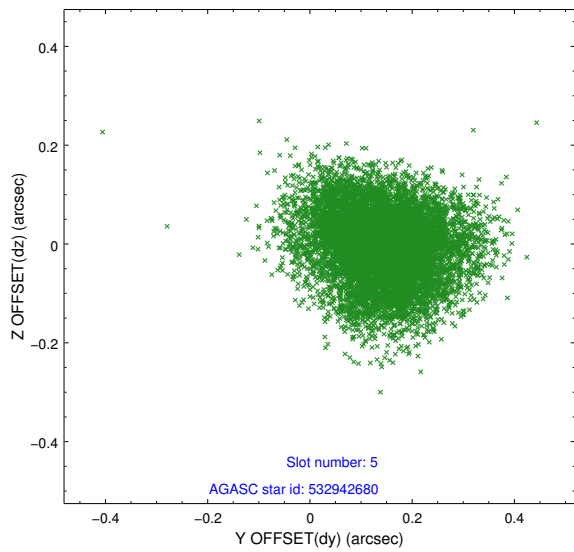
2.4.2 Slot 4



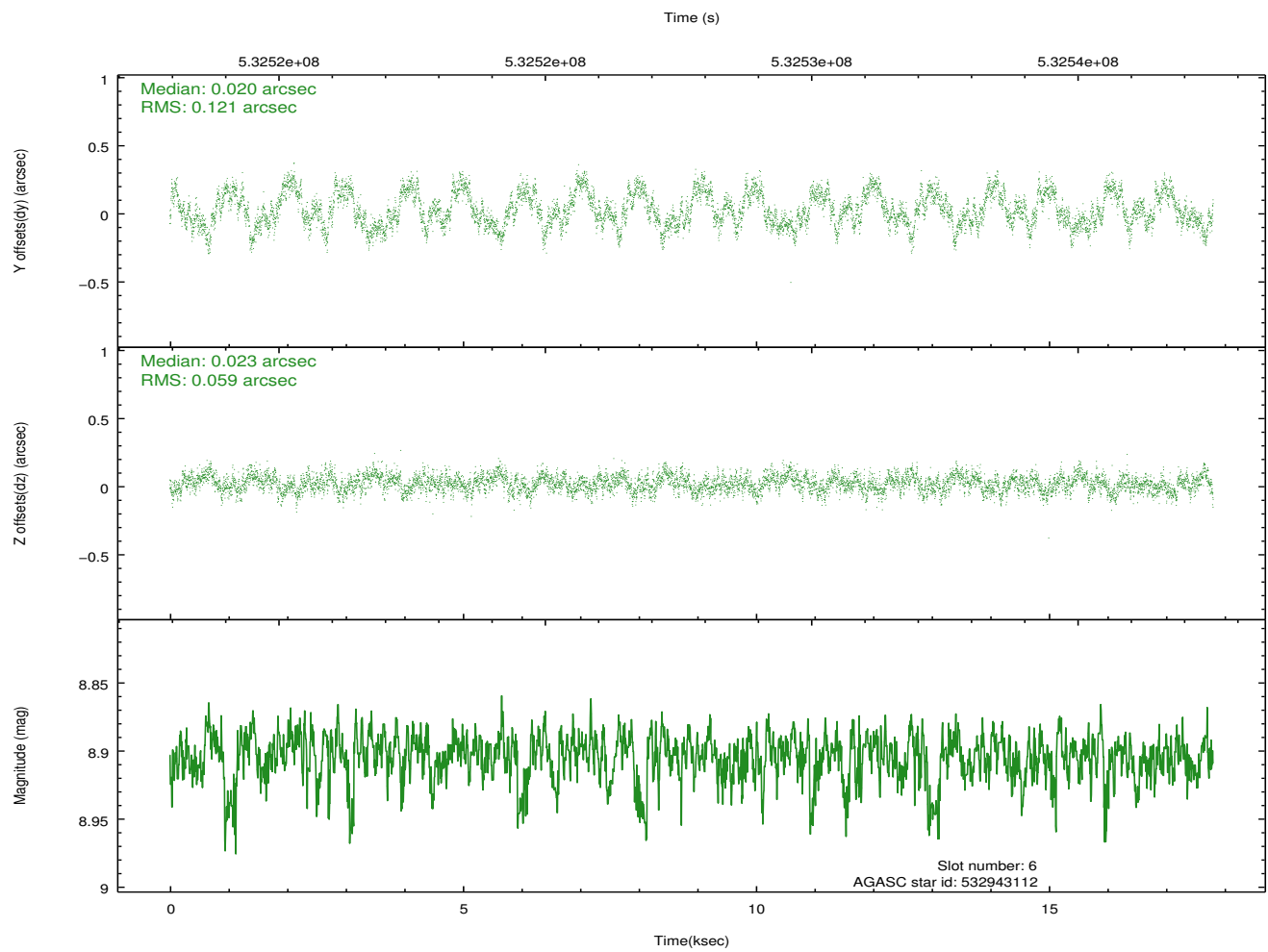
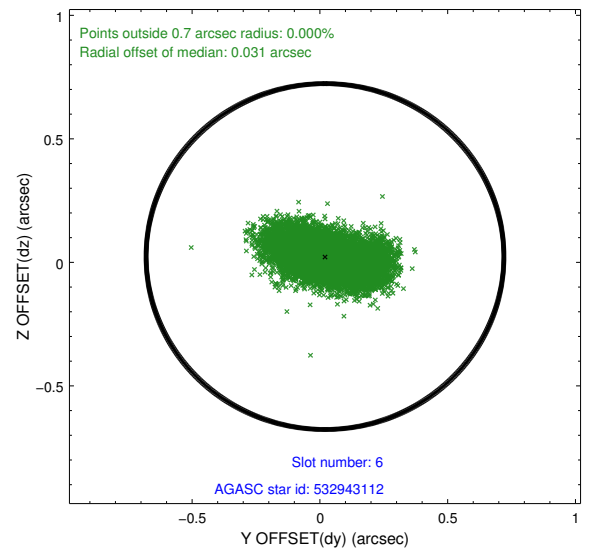
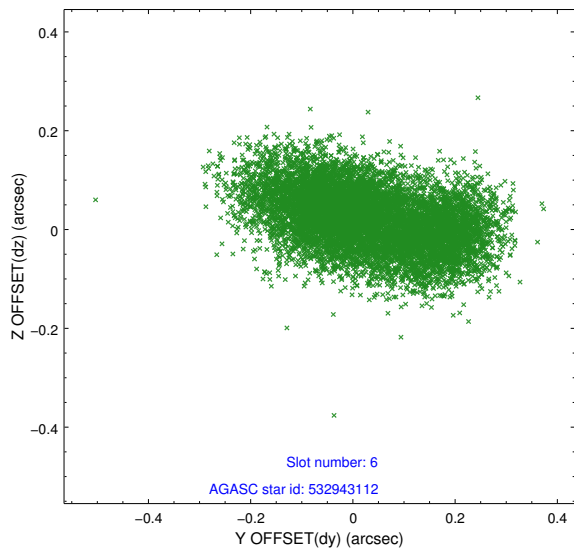
Time (s)



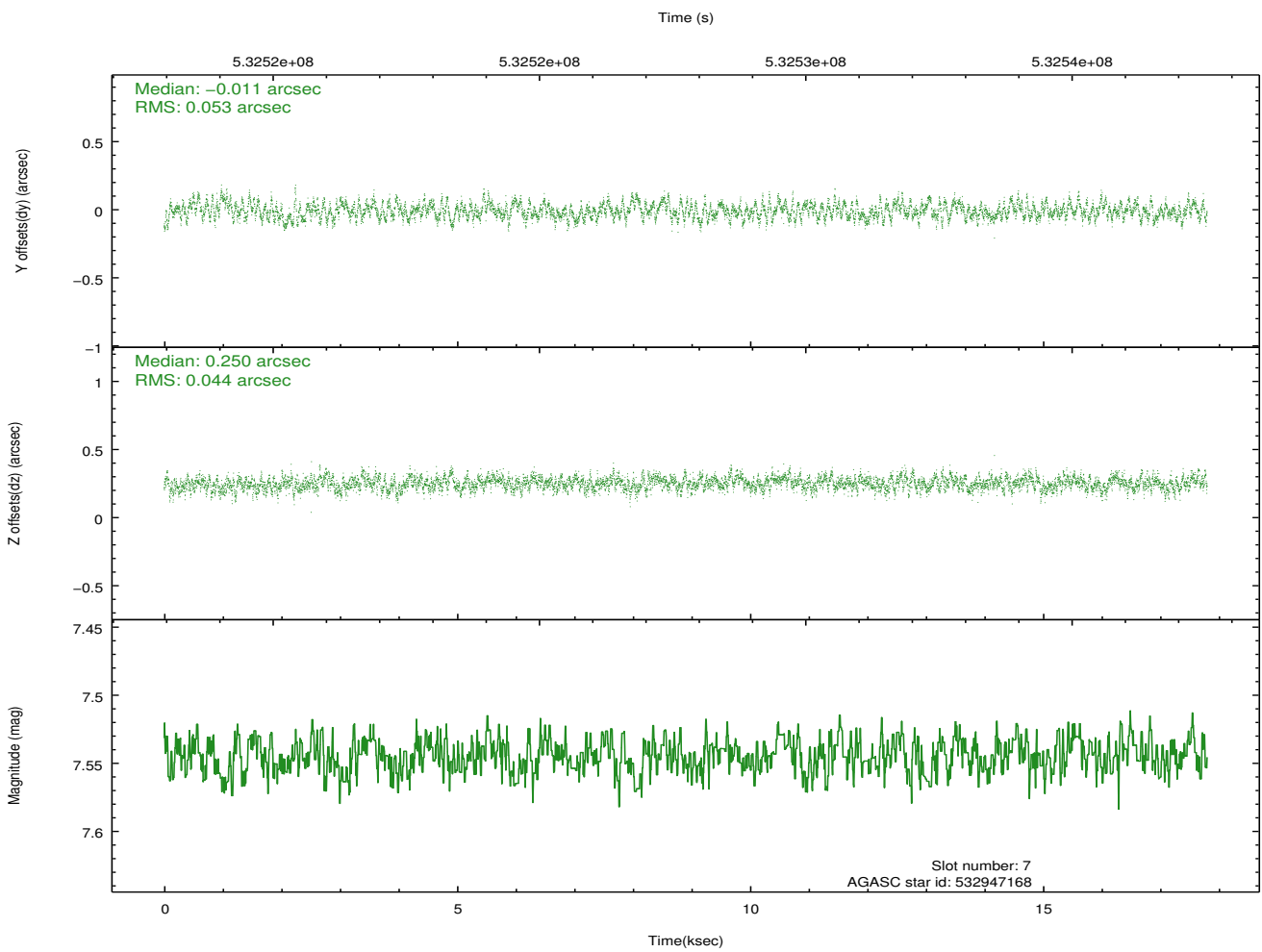
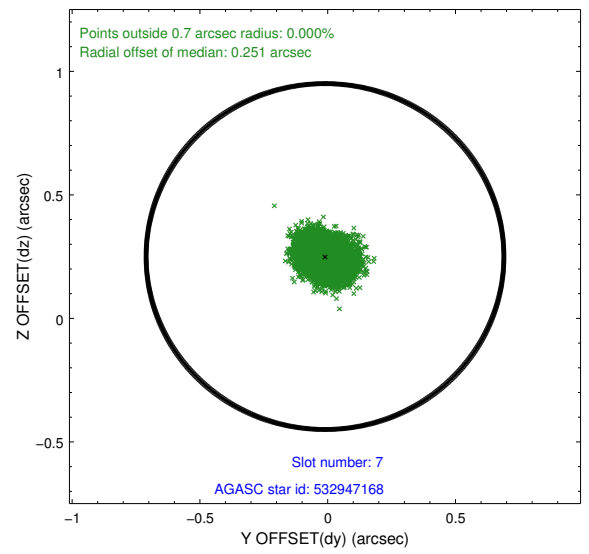
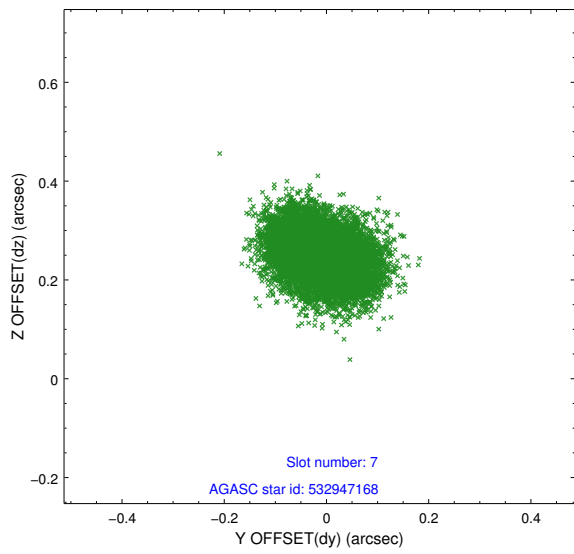
2.4.3 Slot 5



2.4.4 Slot 6

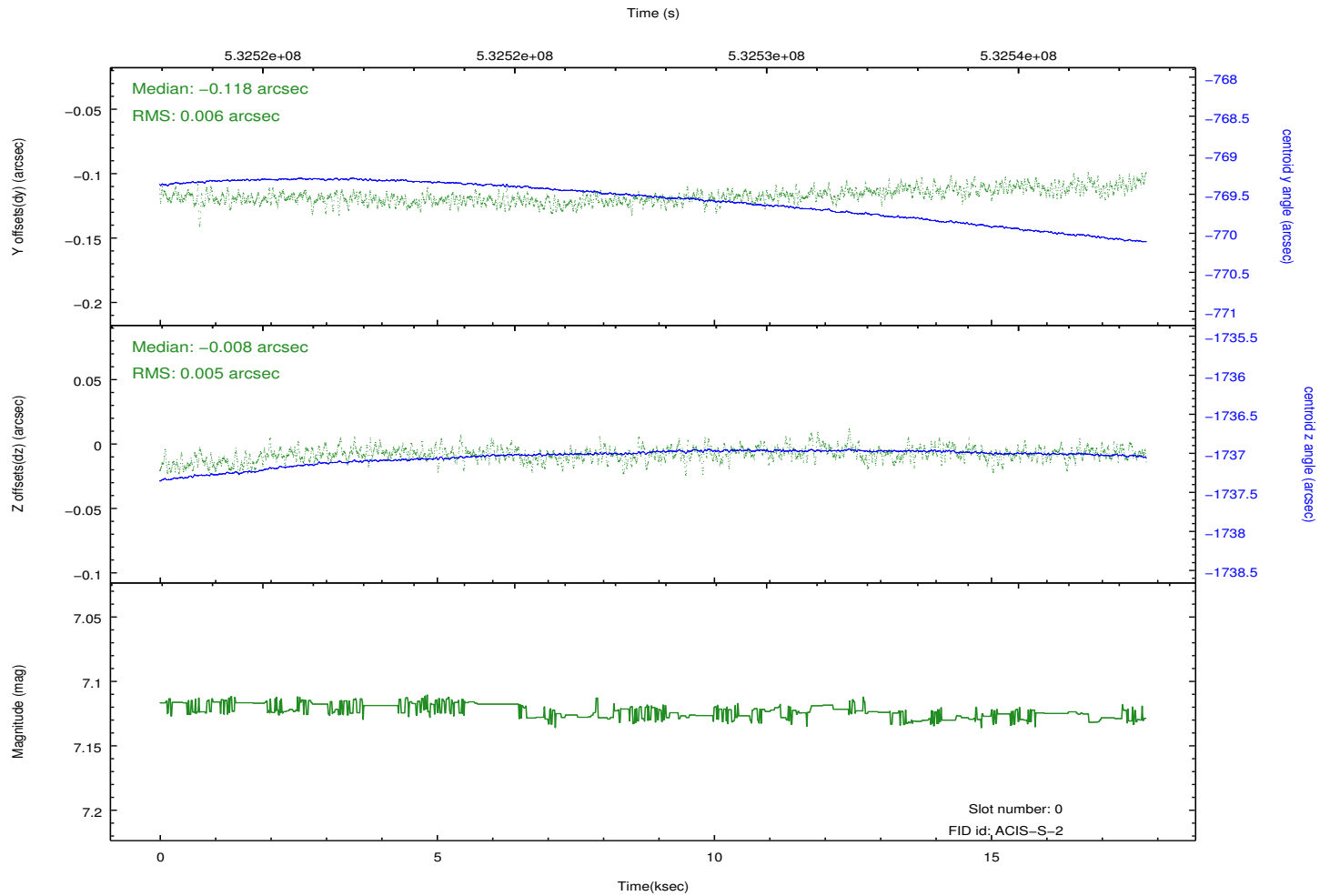
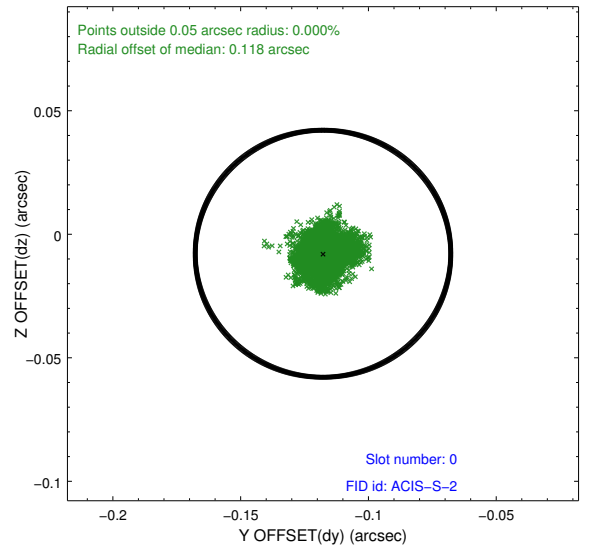
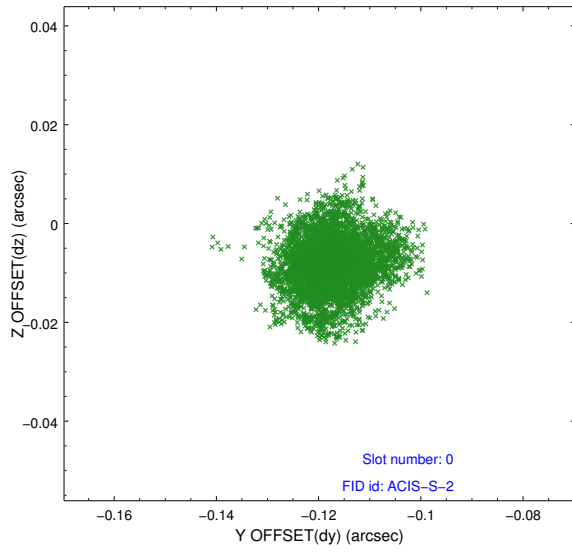


2.4.5 Slot 7

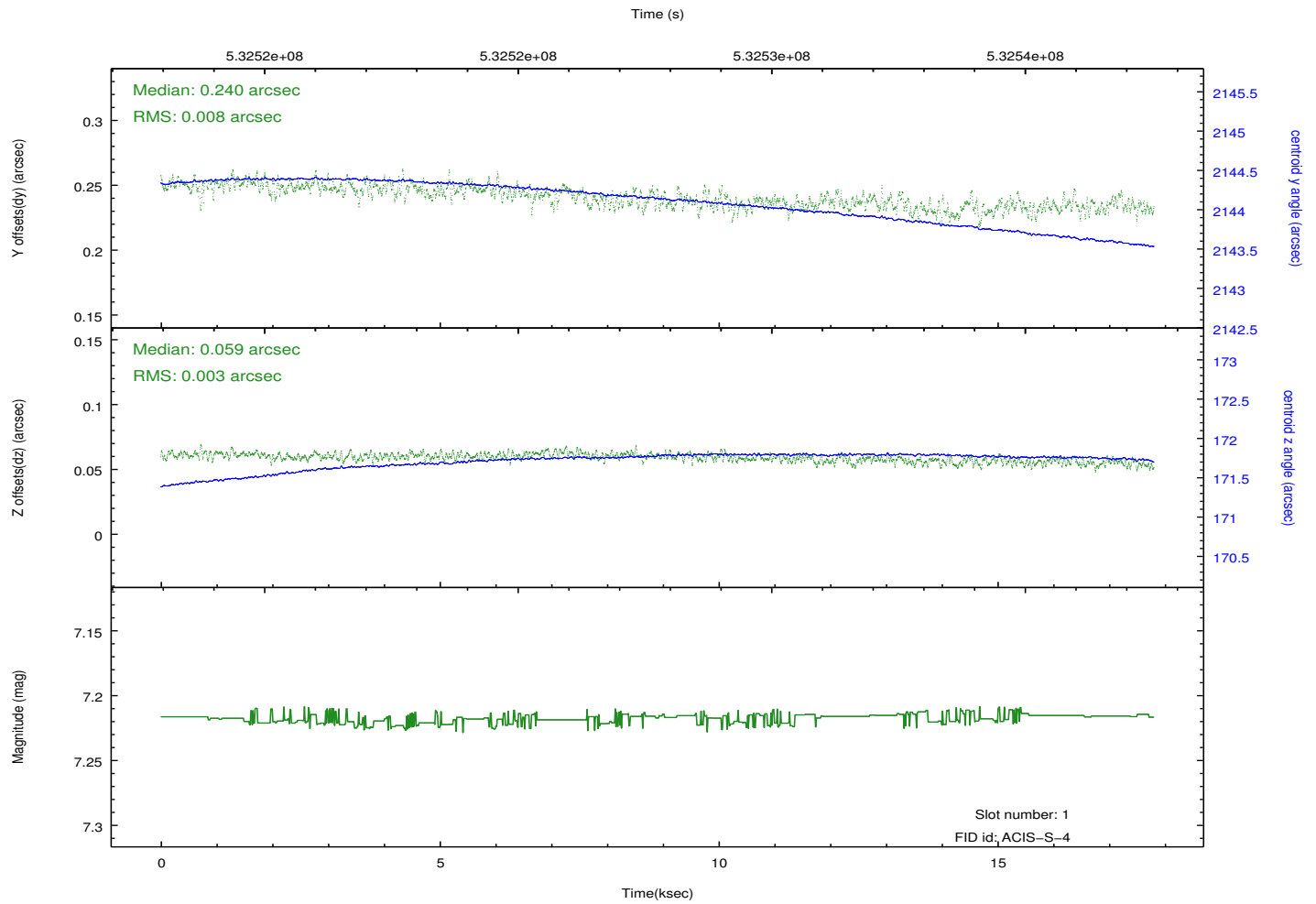
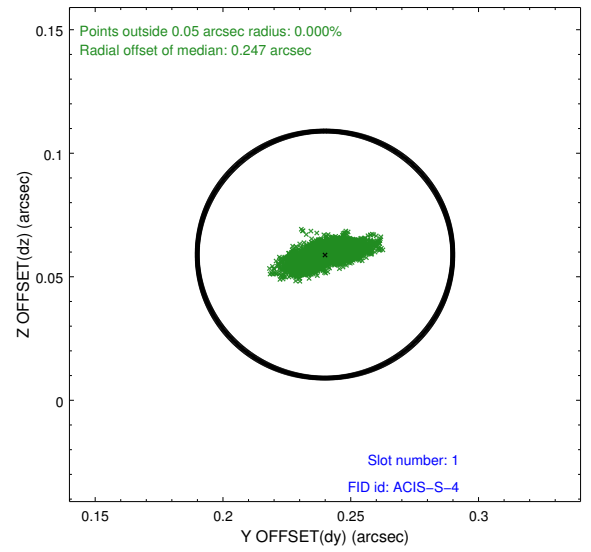
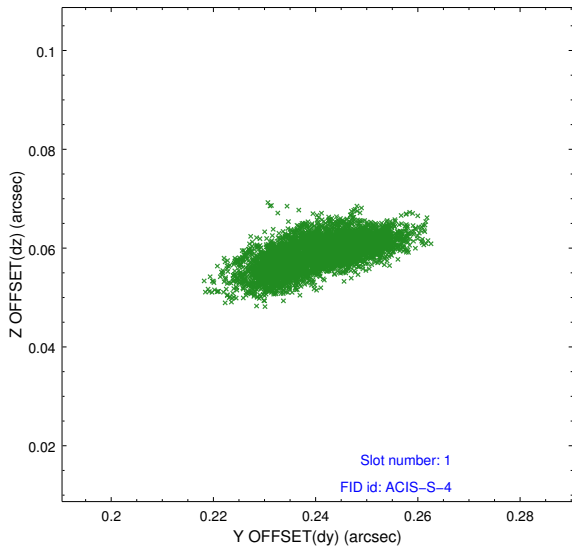


2.5 FID Slots

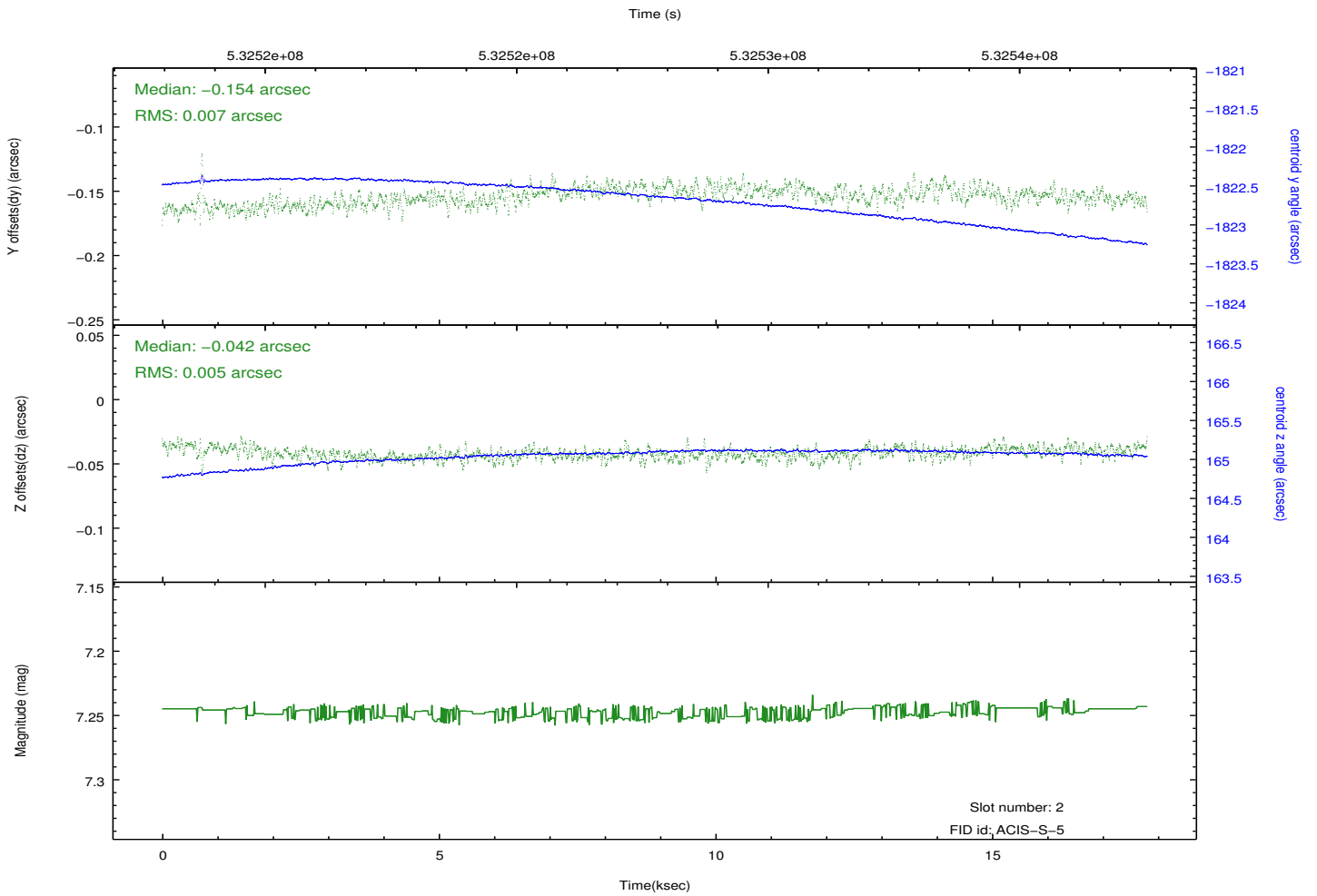
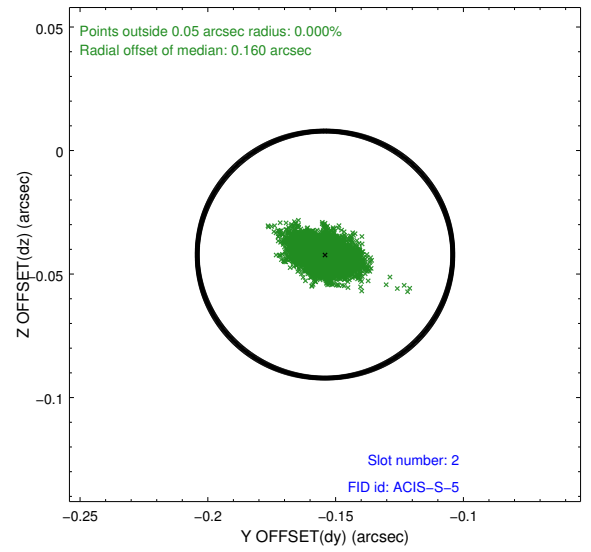
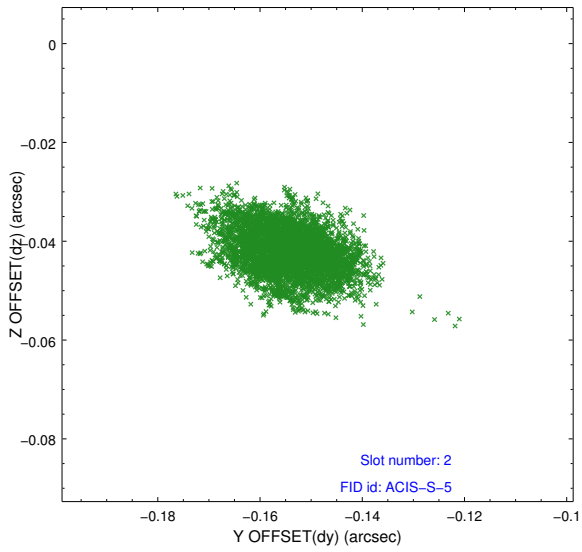
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.11.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.703140165746

A.2 Comments