

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9519 - L2 Version 2
Chandra X-Ray Center

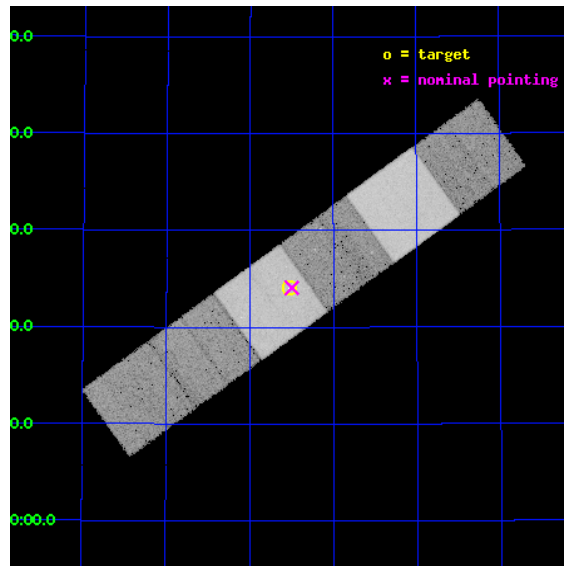
L2 Processing Date : May 9 2012

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1 Front

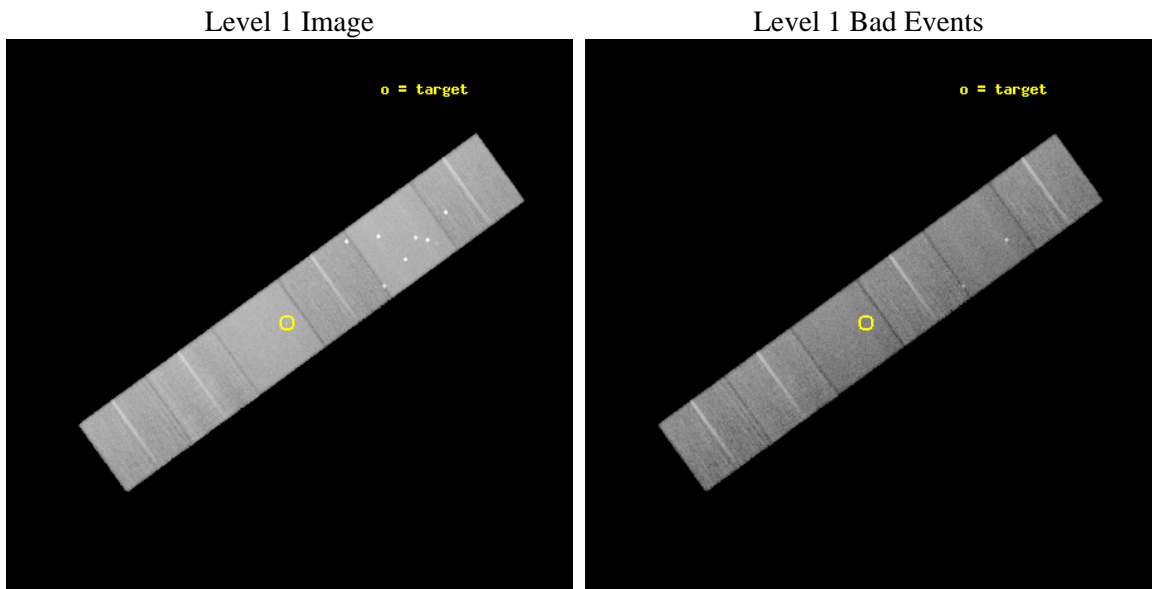
seq_num	600660	Sequence number
obs_id	9519	Observation id
title	The X-ray emission of the Lyman-alpha emitting galaxies Haro 2 and ESO338-04	Proposal title
observer	Dr Jose Mas-Hesse	Principal investigator
object	Haro 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.132917	Observer's specified target RA [deg]
dec_targ	54.401111	Observer's specified target Dec [deg]
ra_nom	158.1245860269	Nominal RA [deg]
dec_nom	54.401493319221	Nominal Dec [deg]
roll_nom	144.04002508776	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19439.99992764	Sum of GTIs [s]
livetime	19193.838943194	Livetime [s]
ontime4	19439.99992764	Sum of GTIs [s]
ontime5	19439.99992764	Sum of GTIs [s]
ontime6	19436.758897364	Sum of GTIs [s]
ontime7	19439.99992764	Sum of GTIs [s]
ontime8	19439.962984741	Sum of GTIs [s]
ontime9	19439.921944737	Sum of GTIs [s]
l2events	319893	Number of level 2 events



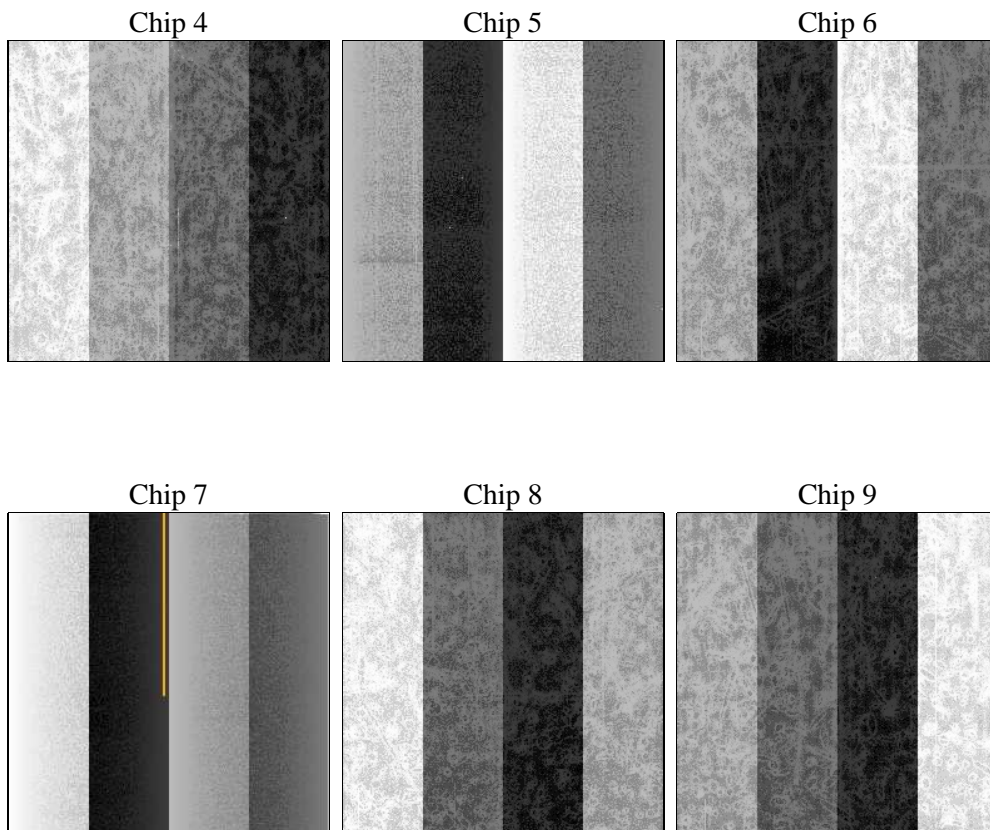
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19494.798000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19439.99992764	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	19439.99992764	Sum of GTIs [s]
date	2012-05-09T03:03:15	Date and time of file creation	ontime5	19439.99992764	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	19436.758897364	Sum of GTIs [s]
			ontime7	19439.99992764	Sum of GTIs [s]
			ontime8	19439.962984741	Sum of GTIs [s]
			ontime9	19439.921944737	Sum of GTIs [s]
			l1events	1443958	Number of level 1 events

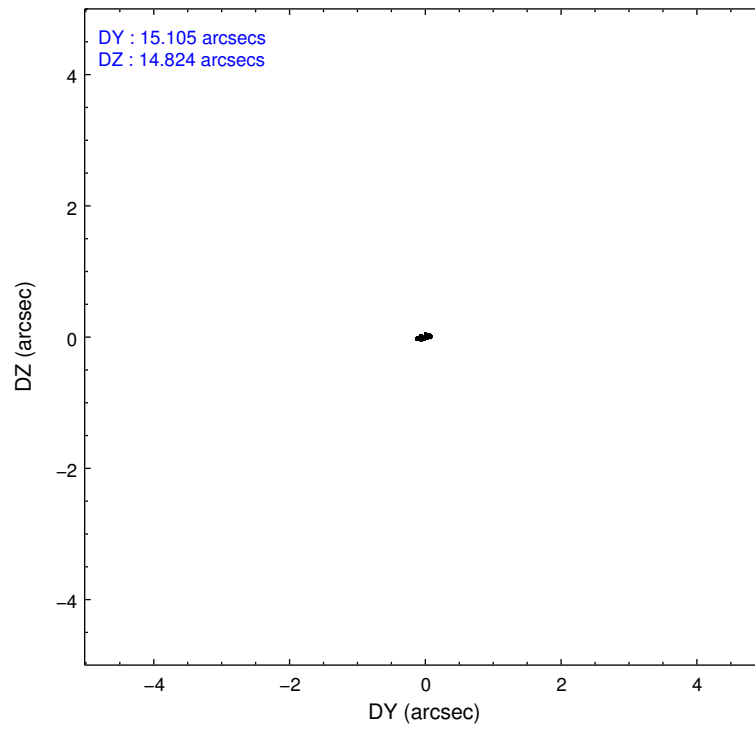
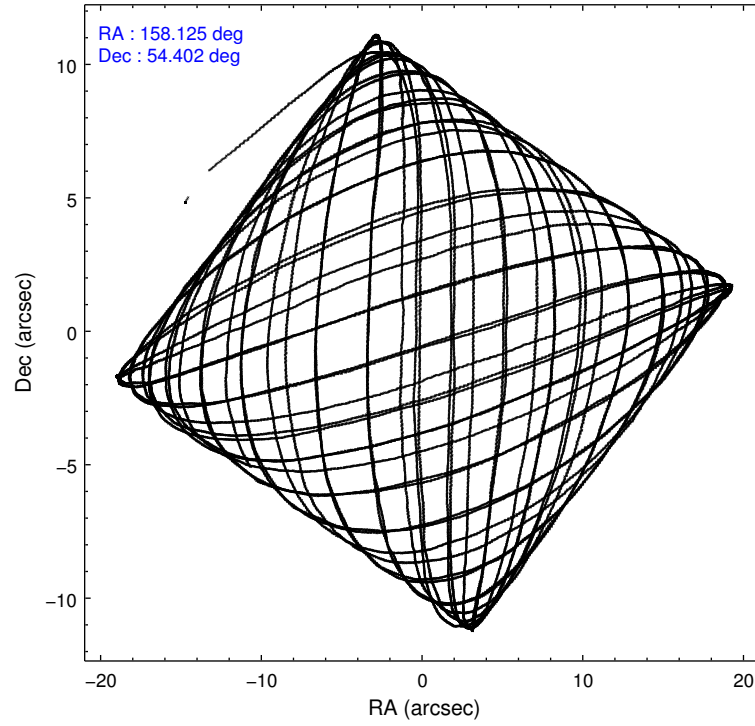
2.1.4 Events

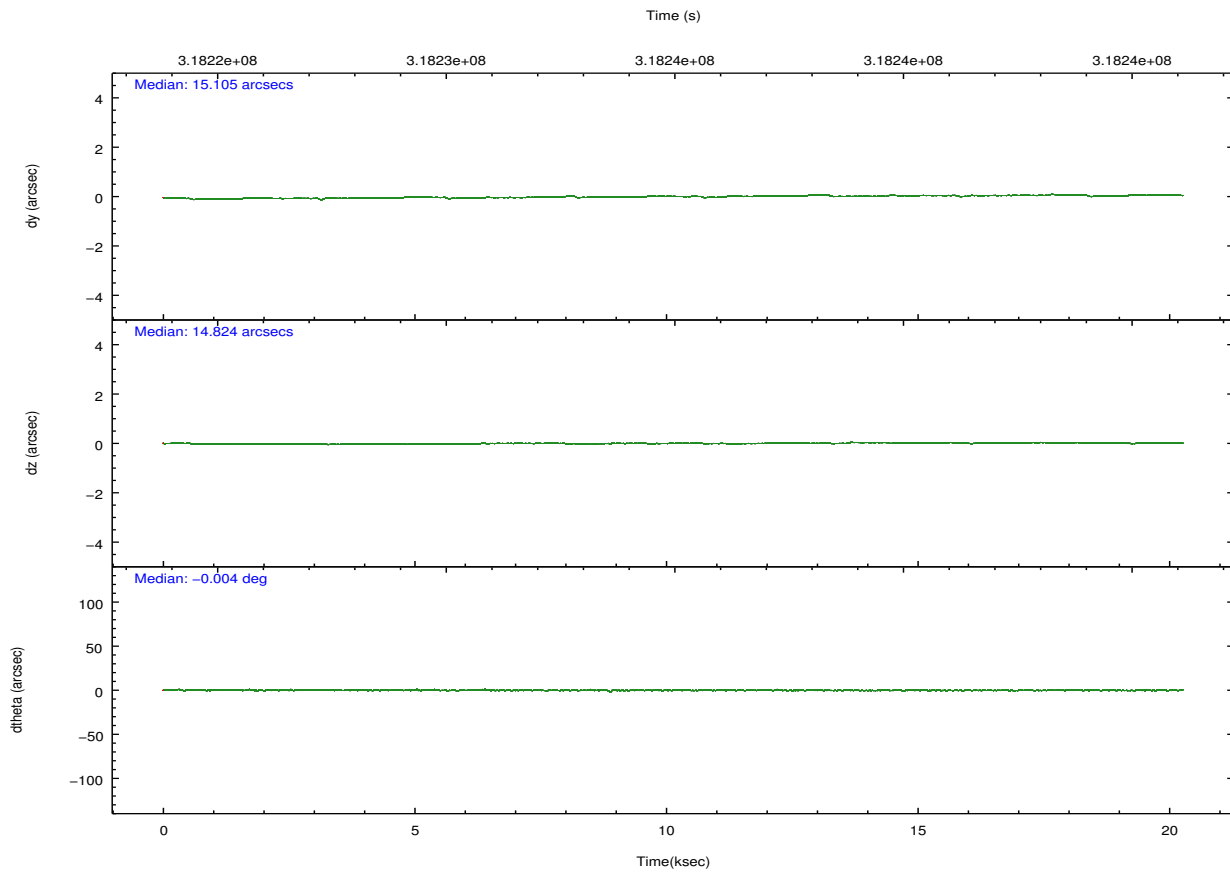
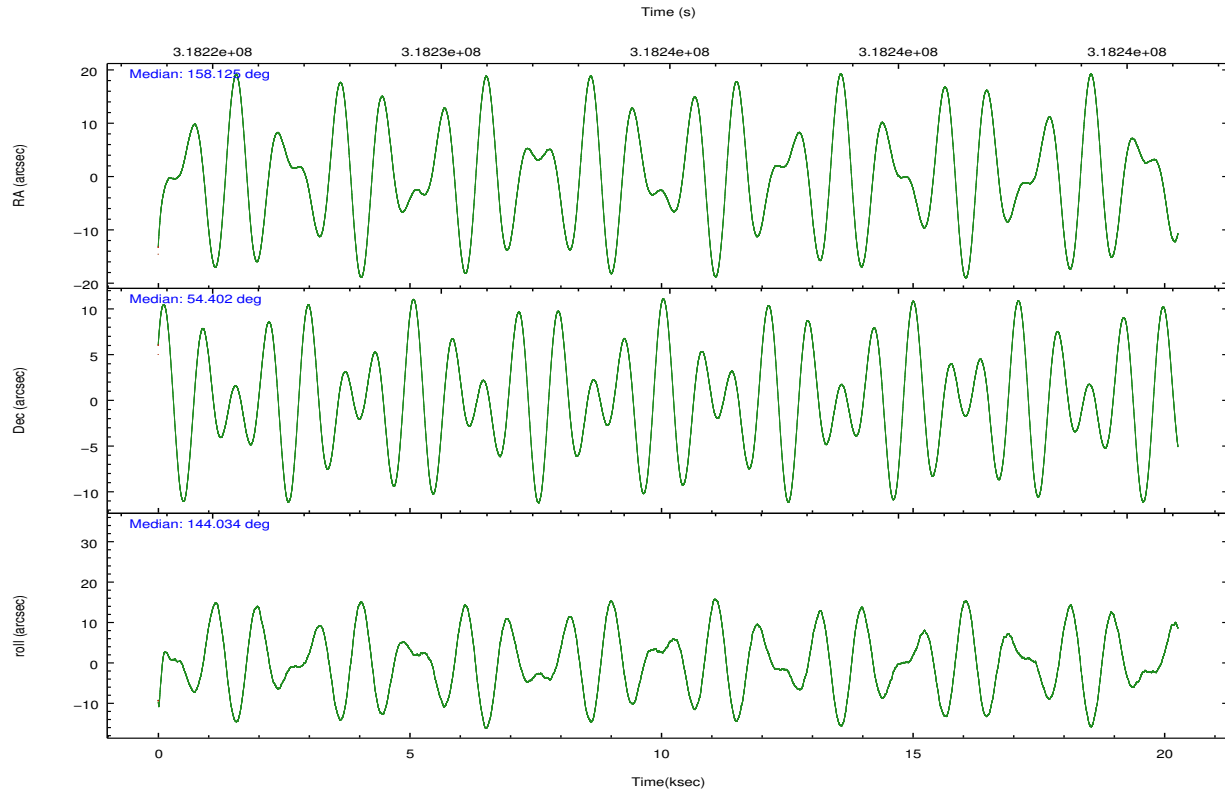
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	223365	310505	200837	265062	246755	197434	grade 0 events	16941	23734	9207	9438	17798	10031
rejected events	192895	160272	171356	154895	192128	173105		7%	7%	4%	3%	7%	5%
rejected %	86%	51%	85%	58%	77%	87%	grade 1 events	273	1688	95	235	214	112
								0%	0%	0%	0%	0%	0%
							grade 2 events	5113	44461	10973	22461	12319	5023
								2%	14%	5%	8%	4%	2%
							grade 3 events	2467	4673	2225	9154	5570	2424
								1%	1%	1%	3%	2%	1%
							grade 4 events	2283	4727	2115	8963	5136	2226
								1%	1%	1%	3%	2%	1%
							grade 5 events	8640	19633	9011	24437	12054	9414
								3%	6%	4%	9%	4%	4%
							grade 6 events	3674	72686	4972	60184	13811	4631
								1%	23%	2%	22%	5%	2%
							grade 7 events	183974	138903	162239	130190	179853	163573
								82%	44%	80%	49%	72%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	158.171378	158.1245860268994	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.399002	54.40149331922132	Alternating exposures requested	N	N
[deg] Pointing Roll	143.845362	144.0400250877638	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	318225602.184000	318224347.23331			
Observation start date	2008-02-01T03:58:57	2008-02-01T03:39:07			
[s] Observation end time (MET)	318245096.184000	318245320.27183			
Observation end date	2008-02-01T09:23:51	2008-02-01T09:28:40			
Read mode	TIMED	TIMED			

2.3 Aspect



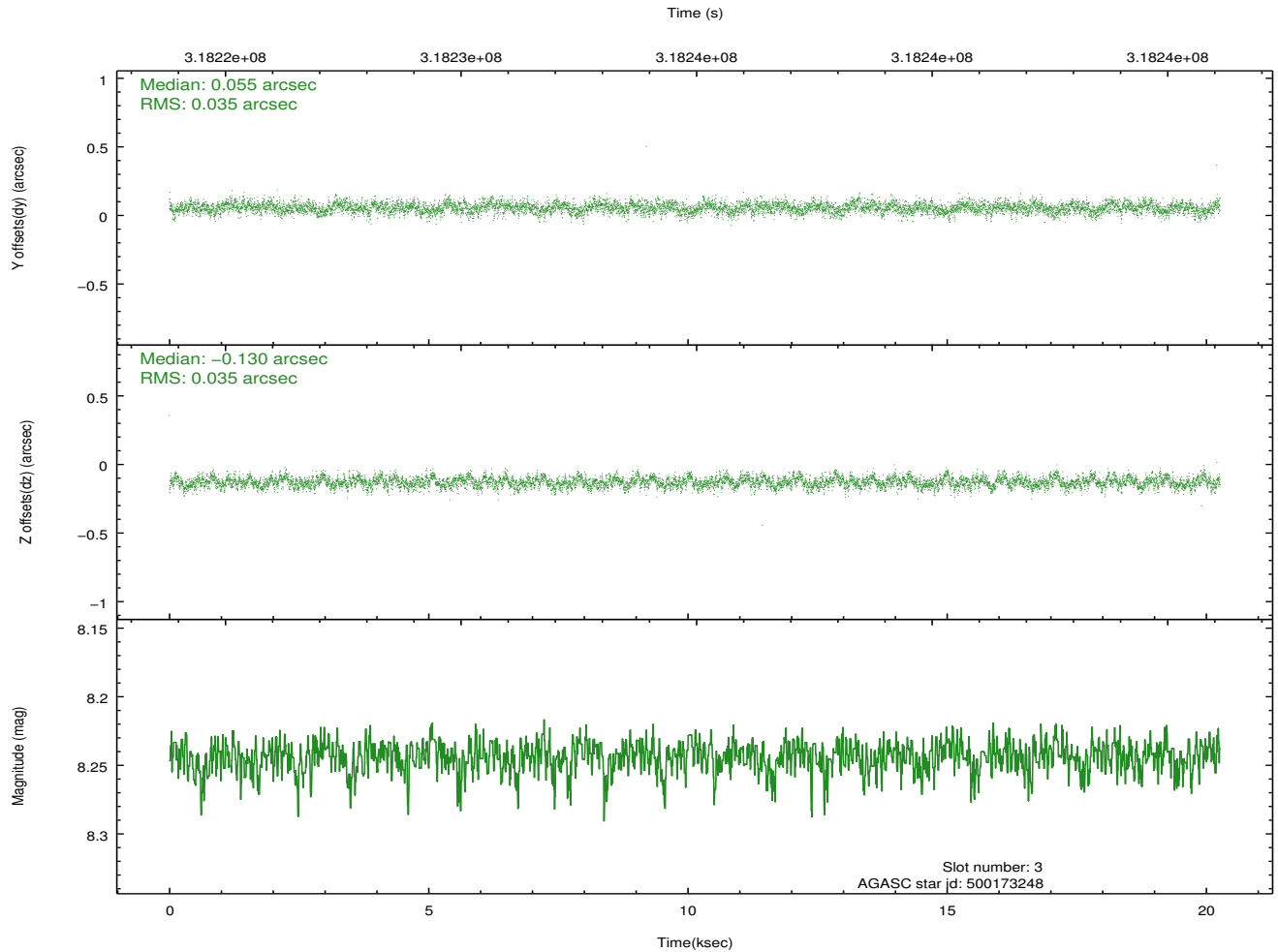
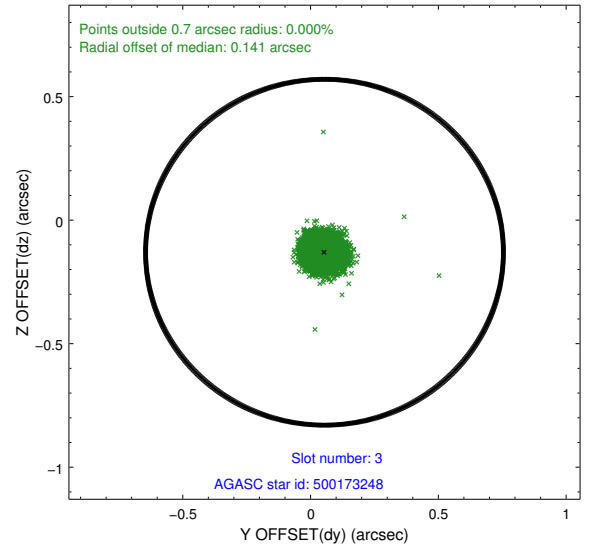
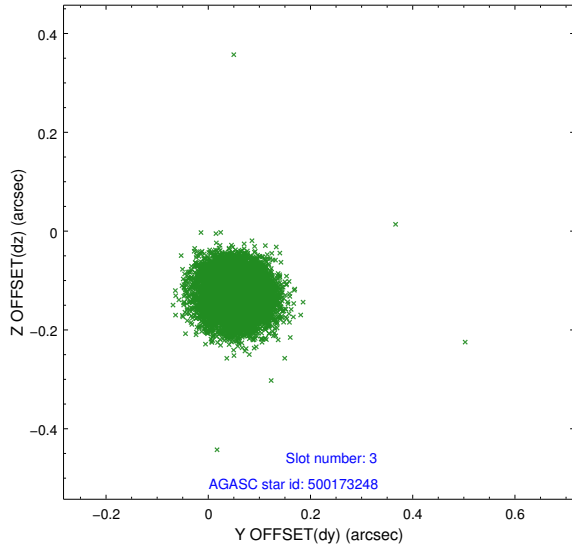


Slot Statistics

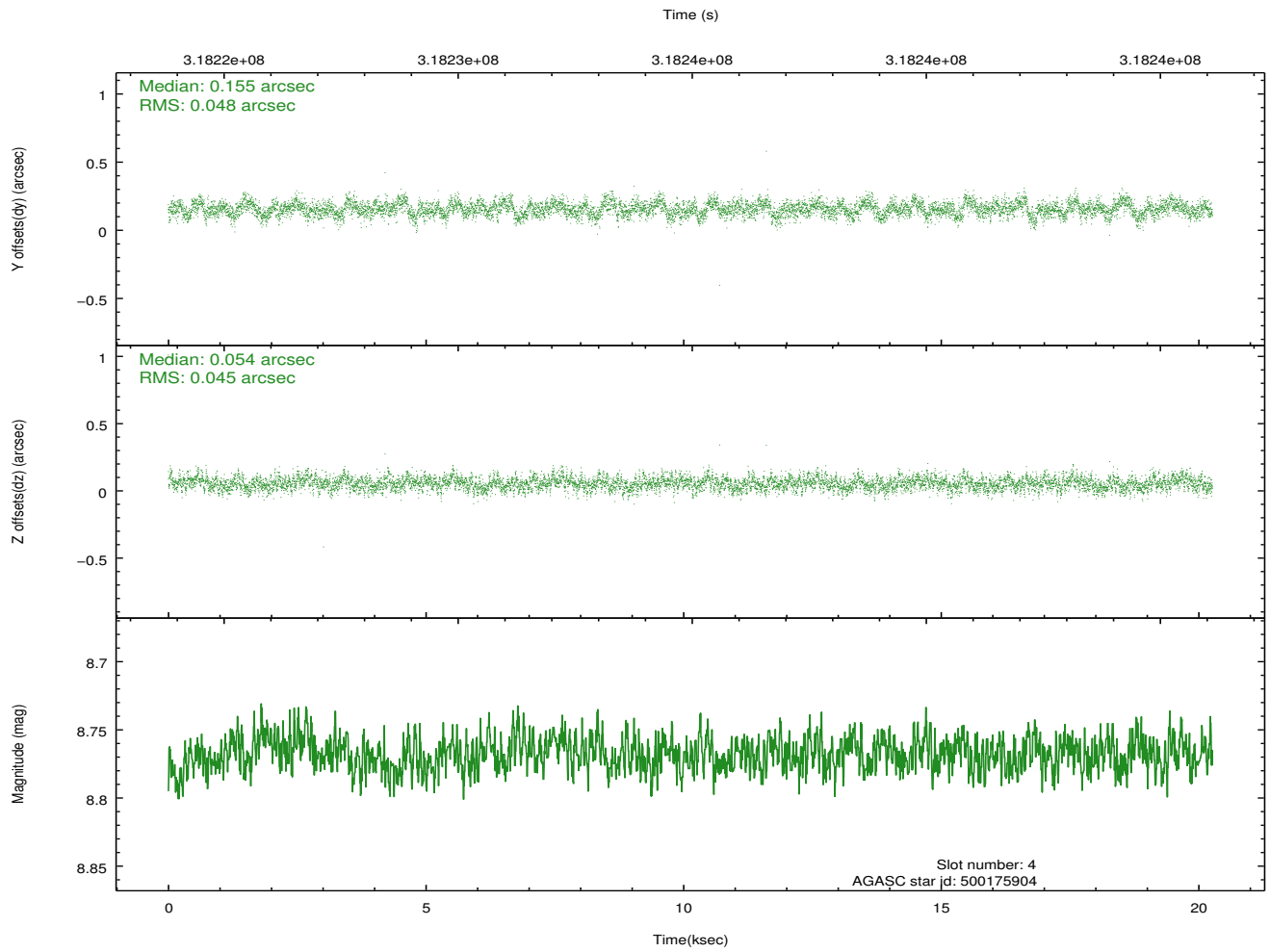
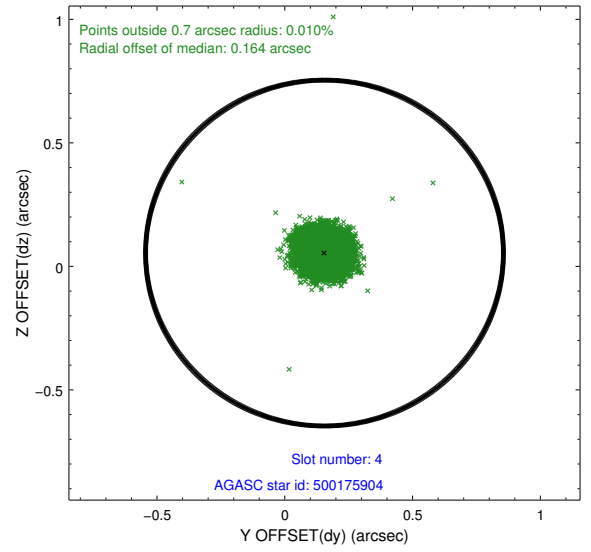
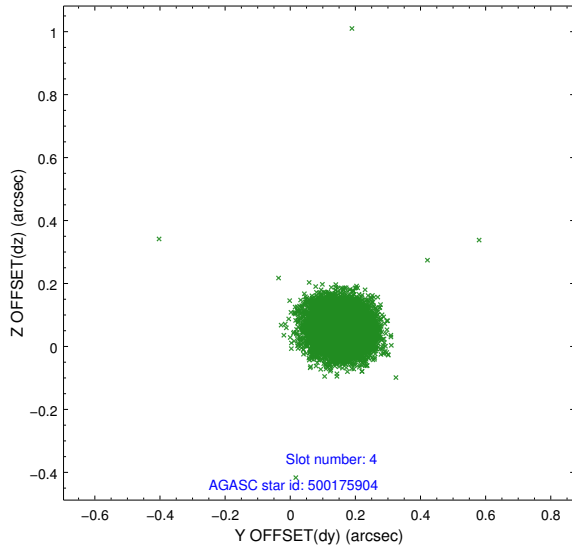
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4944	-0.104	-0.036	0.007	0.012	0.000000	0.000000	-768.16	-1736.24
1	FID	ACIS-S-4	7.20	4944	0.207	0.060	0.006	0.011	0.000000	0.000000	2145.33	172.17
2	FID	ACIS-S-5	7.22	4944	-0.134	-0.015	0.007	0.011	0.000000	0.000000	-1820.81	165.94
3	GUIDE	500173248	8.24	9886	0.055	-0.130	0.052	0.084	158.840876	53.953250	-2087.80	453.53
4	GUIDE	500175904	8.77	9885	0.155	0.054	0.069	0.110	157.904262	54.552911	777.92	-118.48
5	GUIDE	500177128	7.86	9887	0.074	-0.182	0.067	0.112	158.210933	53.586826	-1793.36	2310.94
6	GUIDE	500182960	7.27	9887	-0.034	0.040	0.057	0.093	157.449453	54.825721	2119.70	-362.51
7	GUIDE	500564280	8.92	9877	-0.257	0.217	0.072	0.118	158.679850	55.024642	484.14	-2440.12

2.4 Star Slots

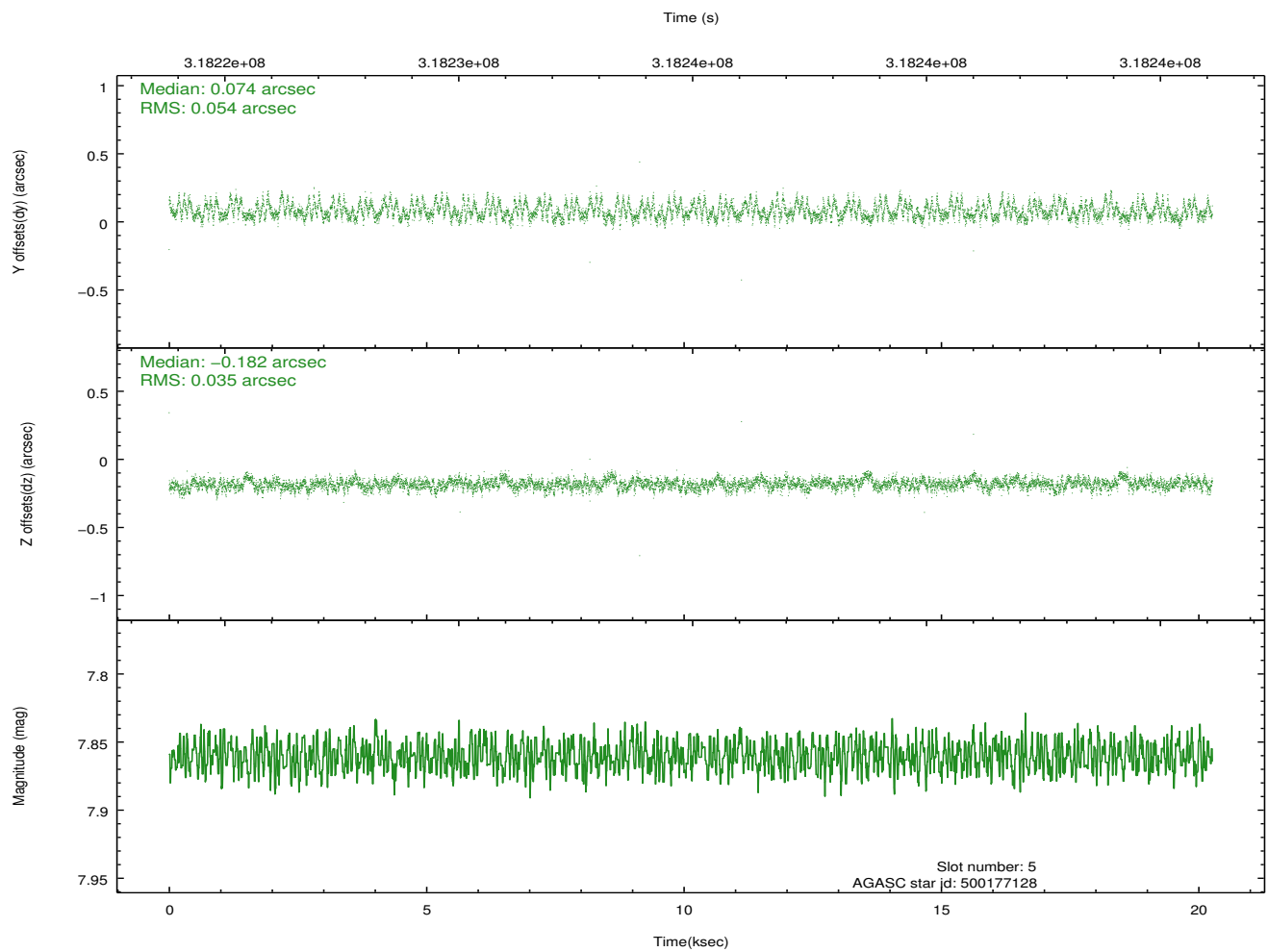
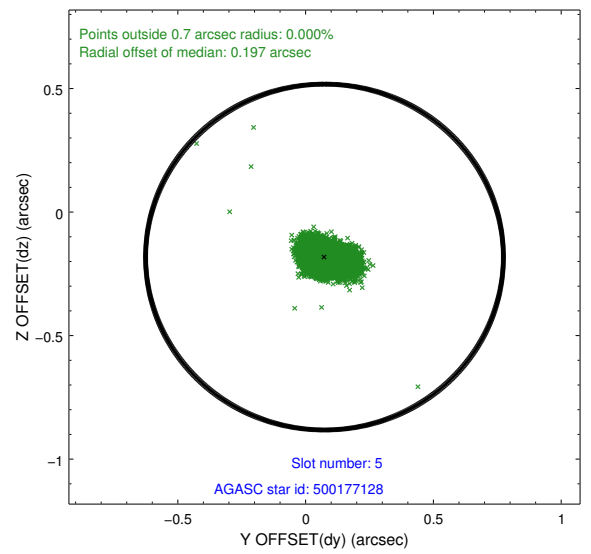
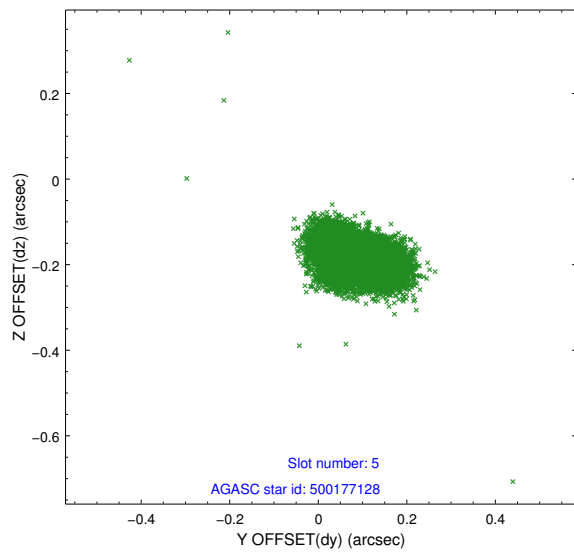
2.4.1 Slot 3



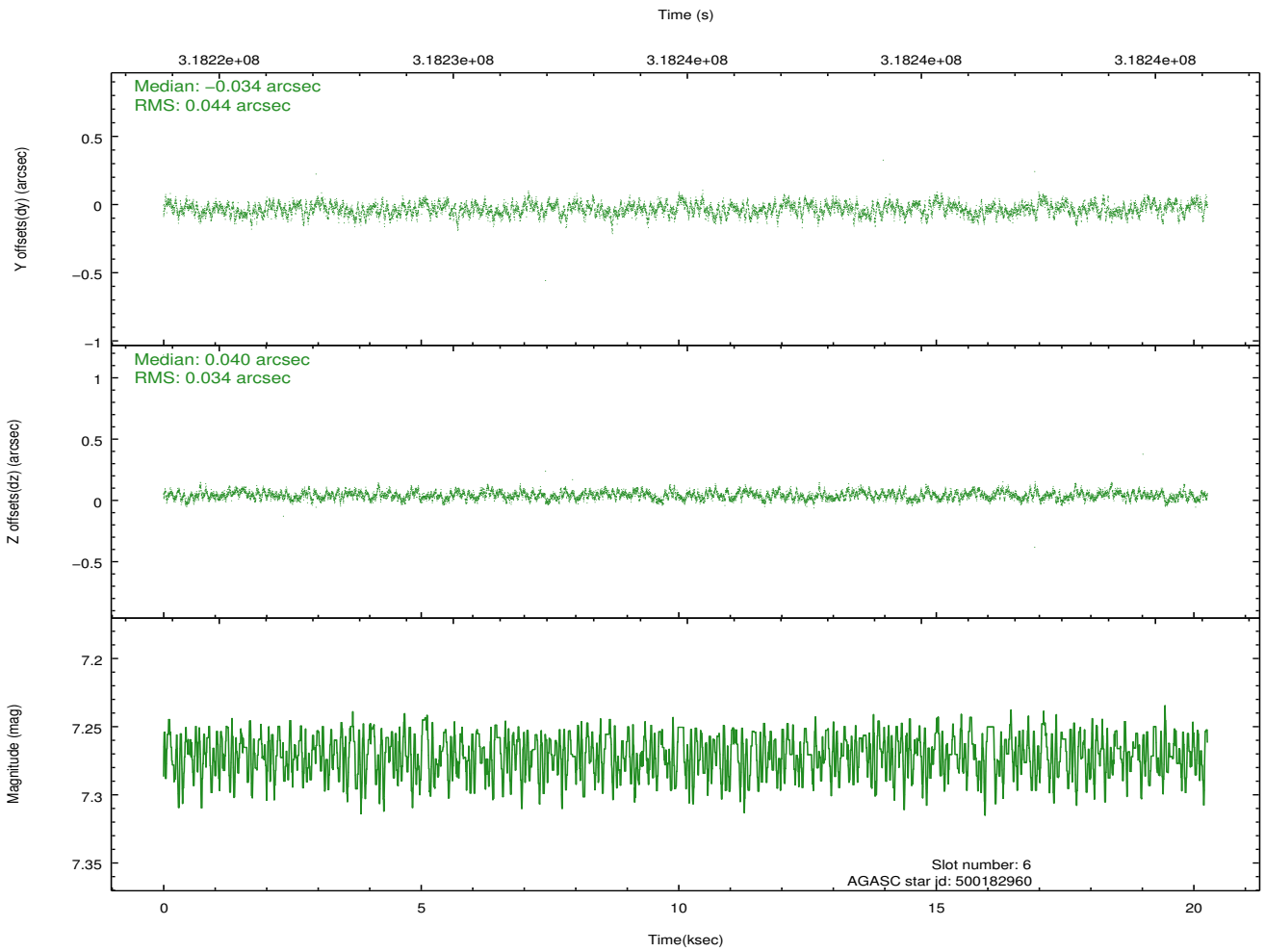
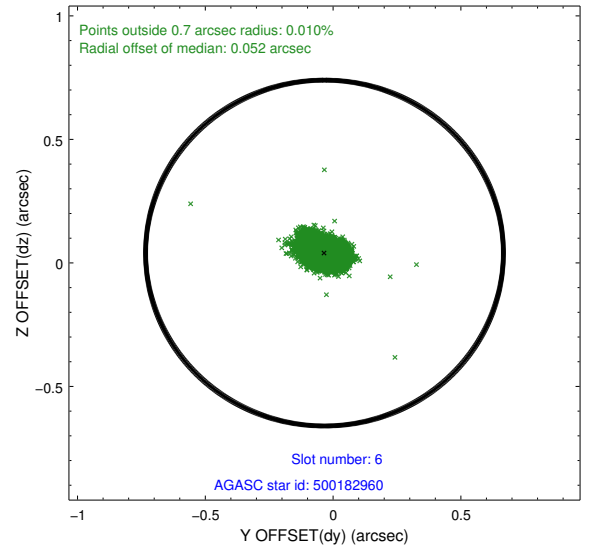
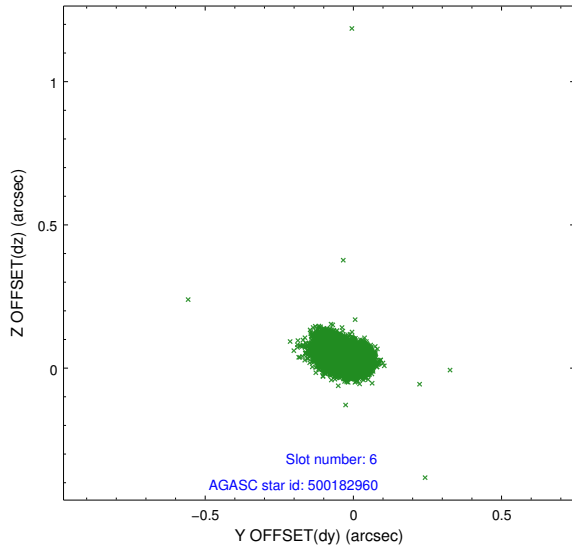
2.4.2 Slot 4



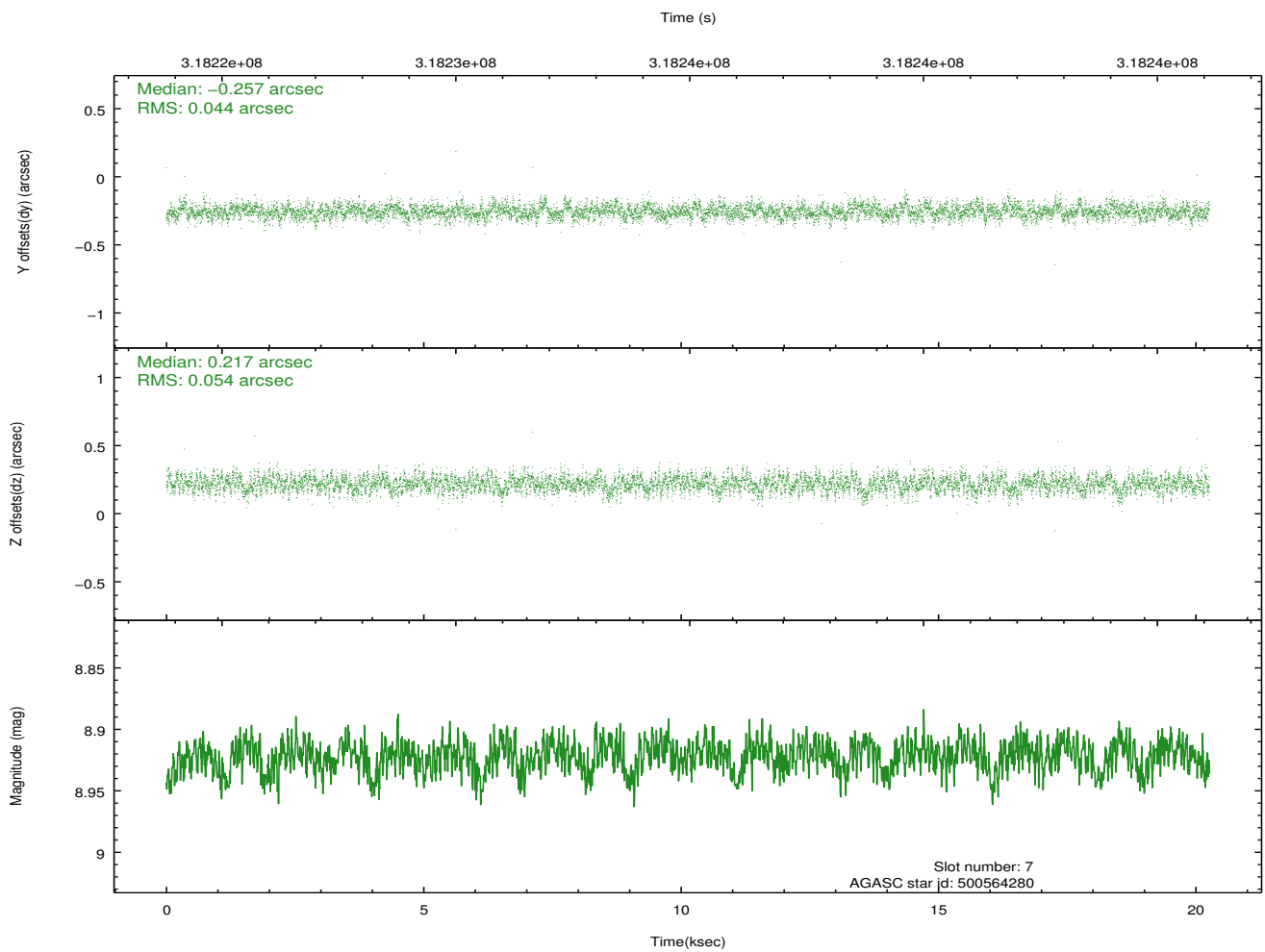
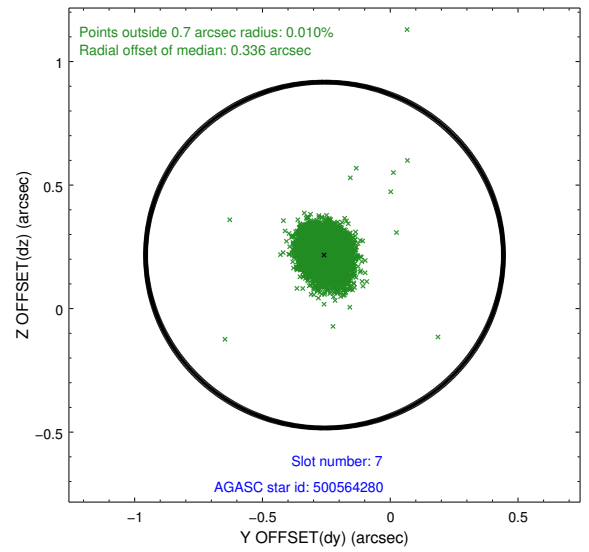
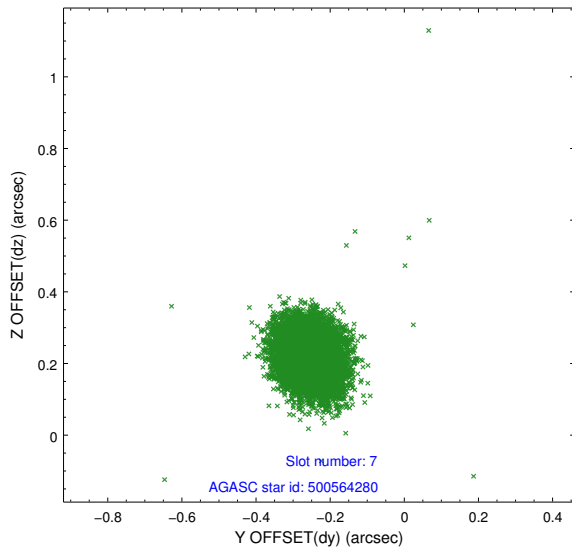
2.4.3 Slot 5



2.4.4 Slot 6

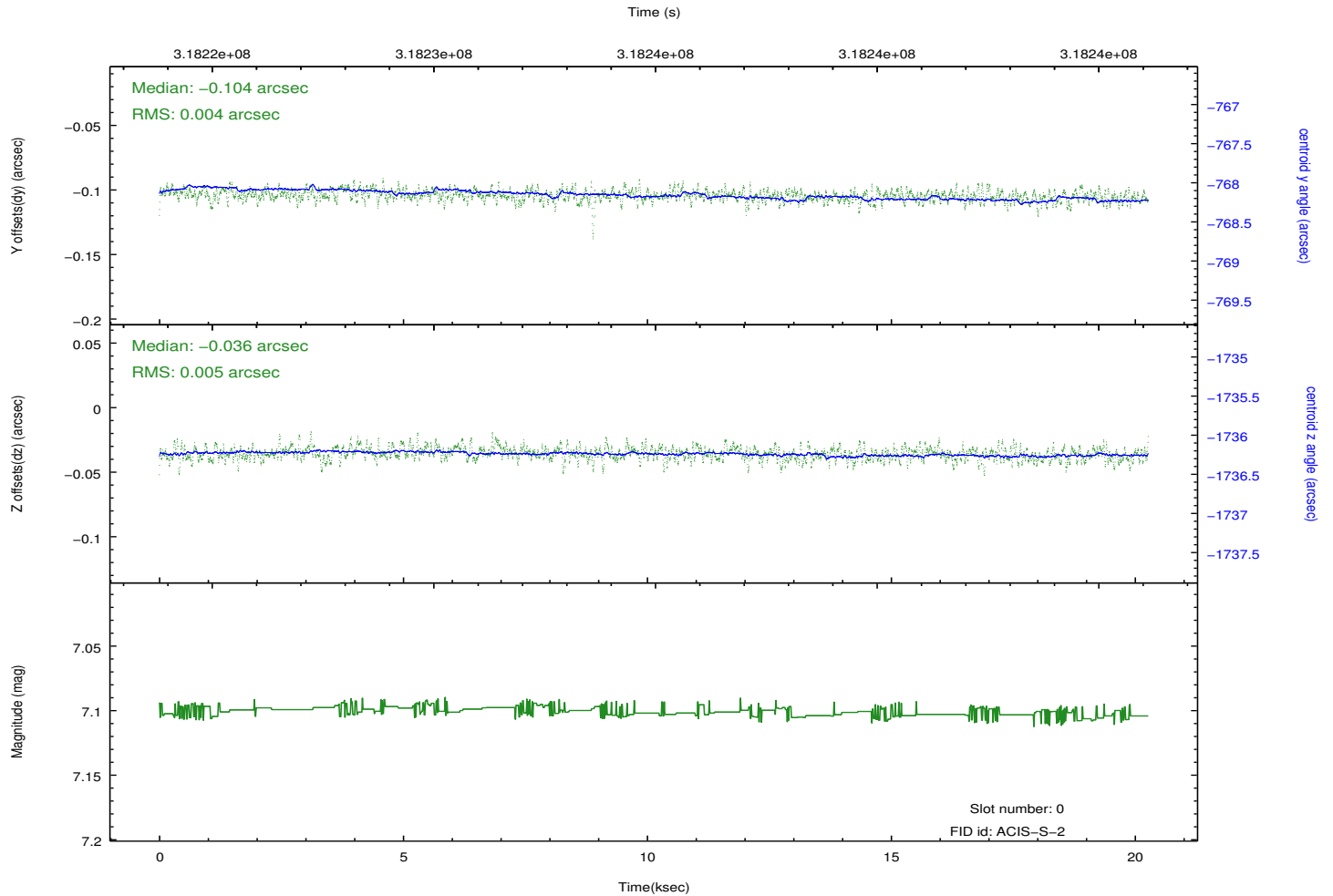
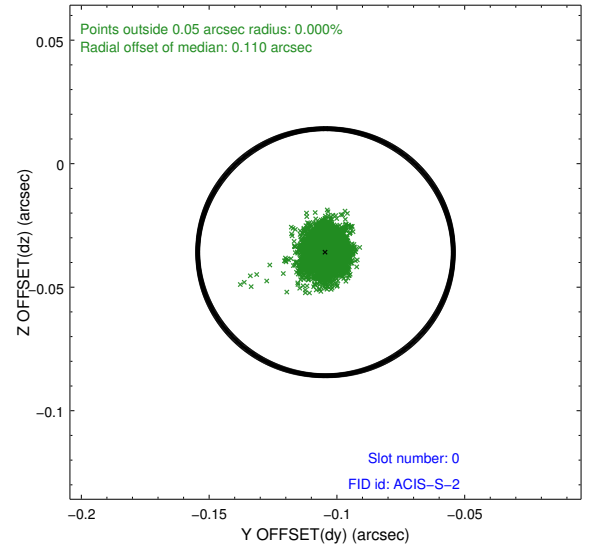
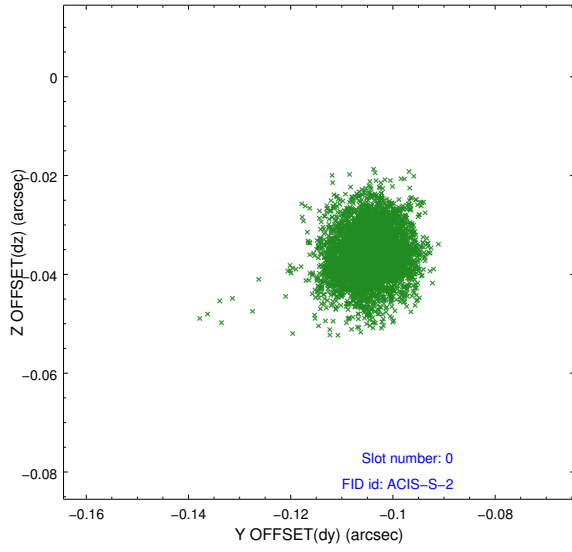


2.4.5 Slot 7

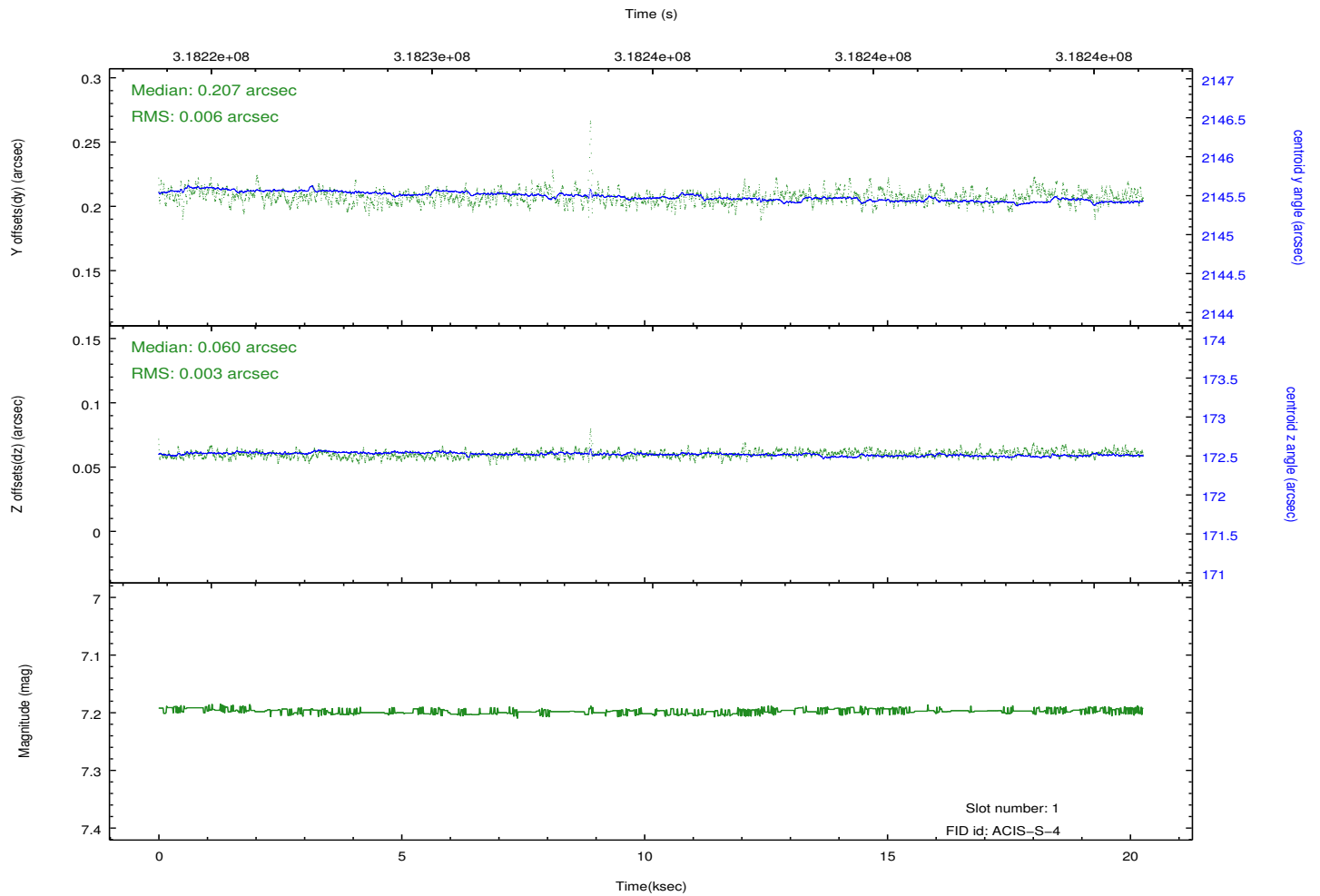
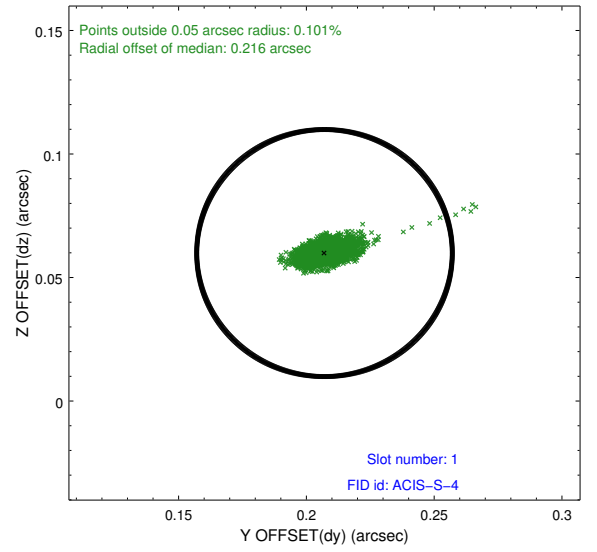
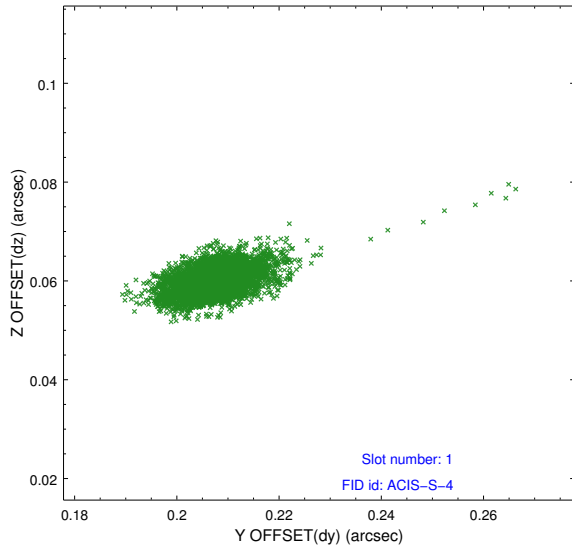


2.5 FID Slots

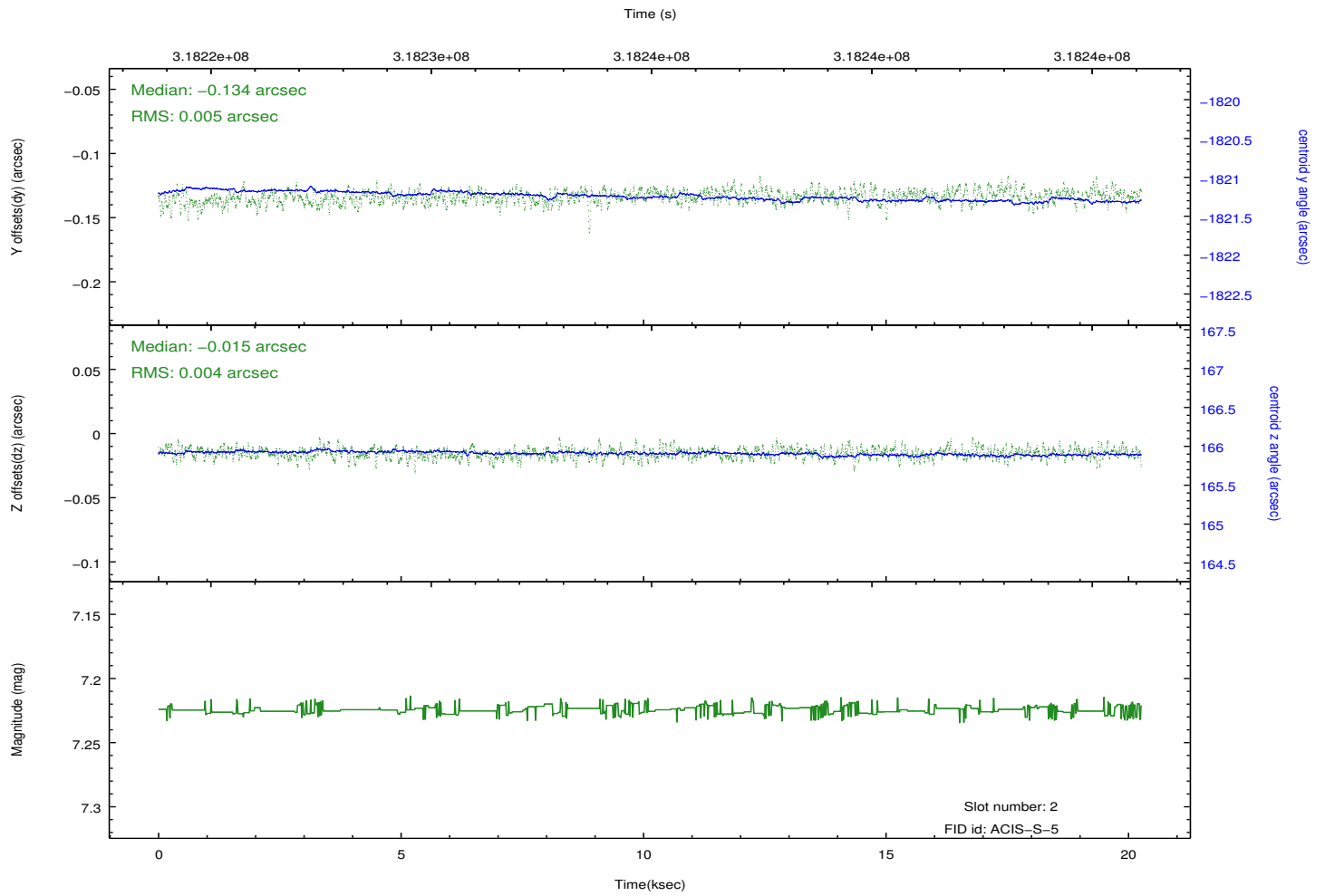
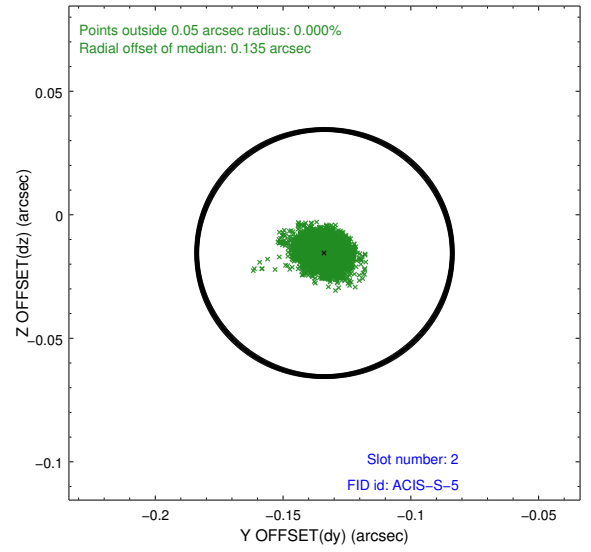
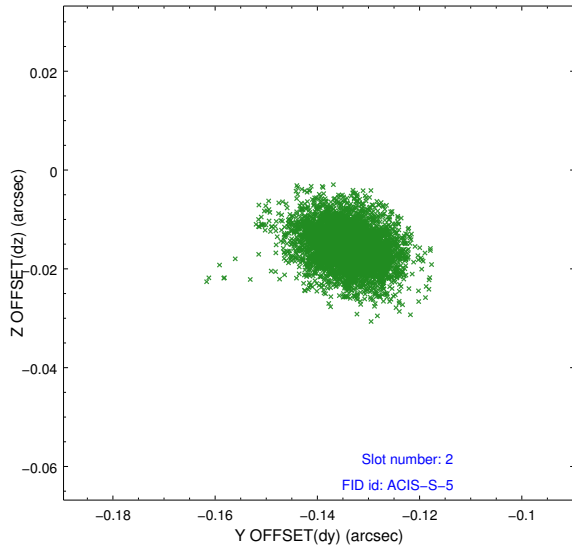
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.4399999

A.2 Comments