

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10289 - L2 Version 3
Chandra X-Ray Center

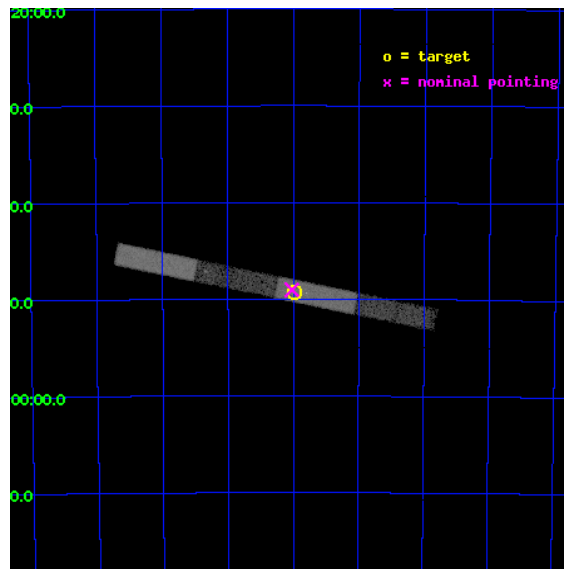
L2 Processing Date : Jun 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 6	11
2.4.4	Slot 7	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

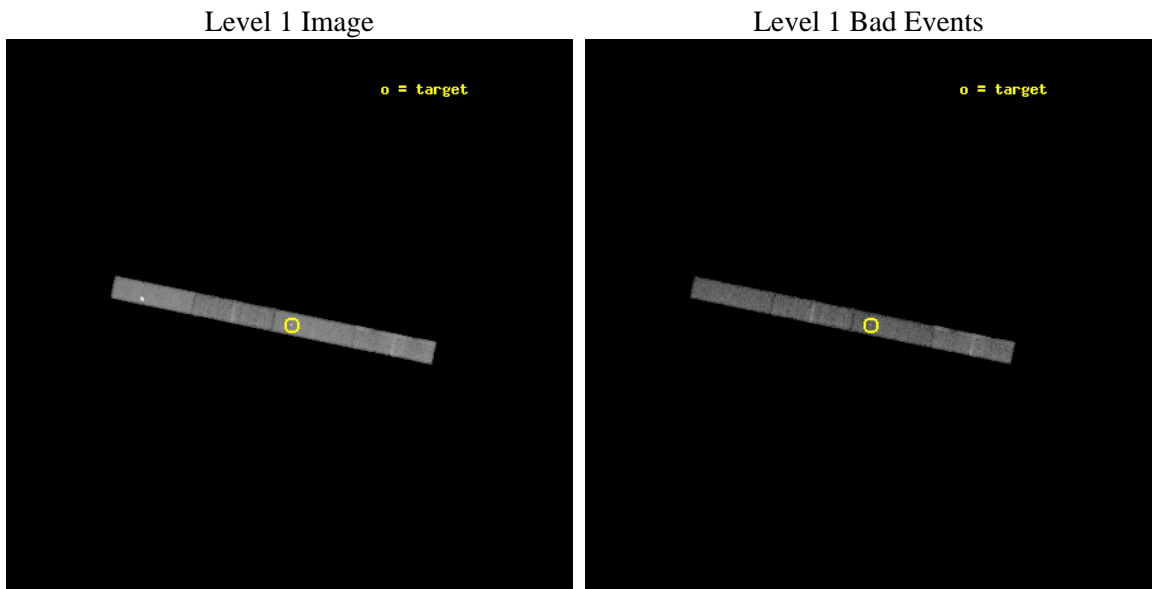
seq_num	701832	Sequence number
obs_id	10289	Observation id
title	Short-time monitoring of extreme spectral variations in Seyfert 2s	
observer	Dr Guido Risaliti	Principal investigator
object	NGC 6300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.247917	Observer's specified target RA [deg]
dec_targ	-62.820556	Observer's specified target Dec [deg]
ra_nom	259.25556916203	Nominal RA [deg]
dec_nom	-62.817276191711	Nominal Dec [deg]
roll_nom	11.531256095535	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10160.0	Sum of GTIs [s]
livetime	9759.4712979329	Livetime [s]
ontime5	10160.0	Sum of GTIs [s]
ontime6	10160.0	Sum of GTIs [s]
ontime7	10160.0	Sum of GTIs [s]
ontime8	10160.0	Sum of GTIs [s]
l2events	47785	Number of level 2 events



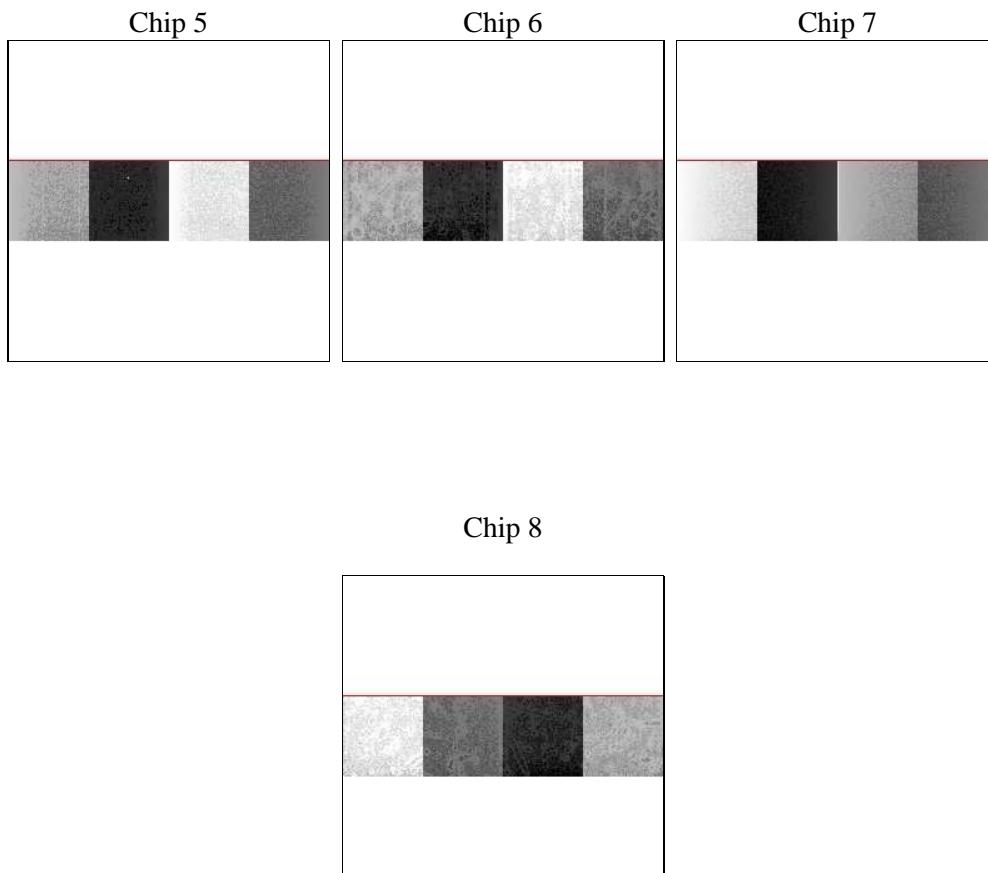
2 OBI

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	8.4.5	Processing system revision	ontime	10160.0	Sum of GTIs [s]
caldbver	4.4.10	 	ontime5	10160.0	Sum of GTIs [s]
date	2012-06-08T21:43:40	Date and time of file creation	ontime6	10160.0	Sum of GTIs [s]
revision	3	Processing version of data	ontime7	10160.0	Sum of GTIs [s]
			ontime8	10160.0	Sum of GTIs [s]
			l1events	192251	Number of level 1 events

2.1.4 Events

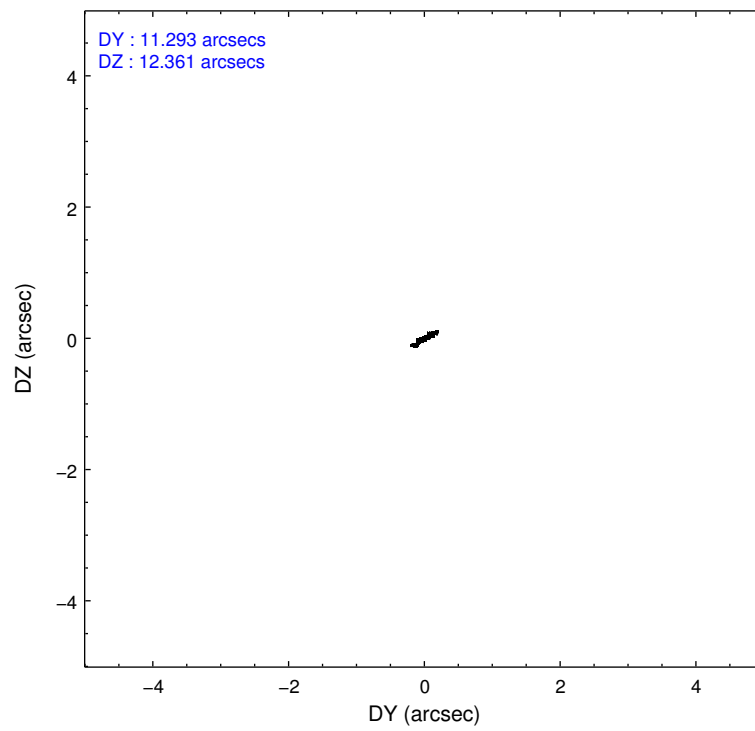
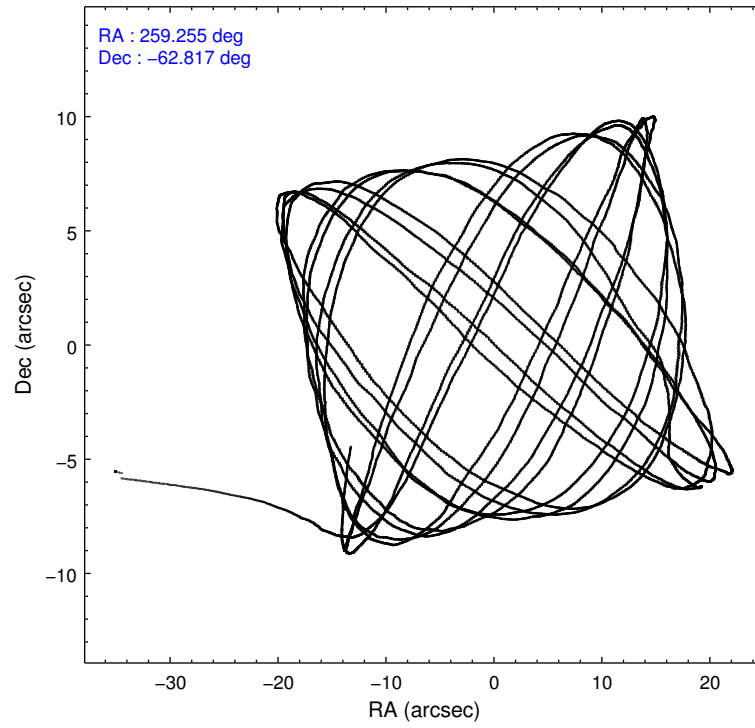
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	59987	34158	49085	49021
rejected events	29953	30297	27648	39367
rejected %	49%	88%	56%	80%

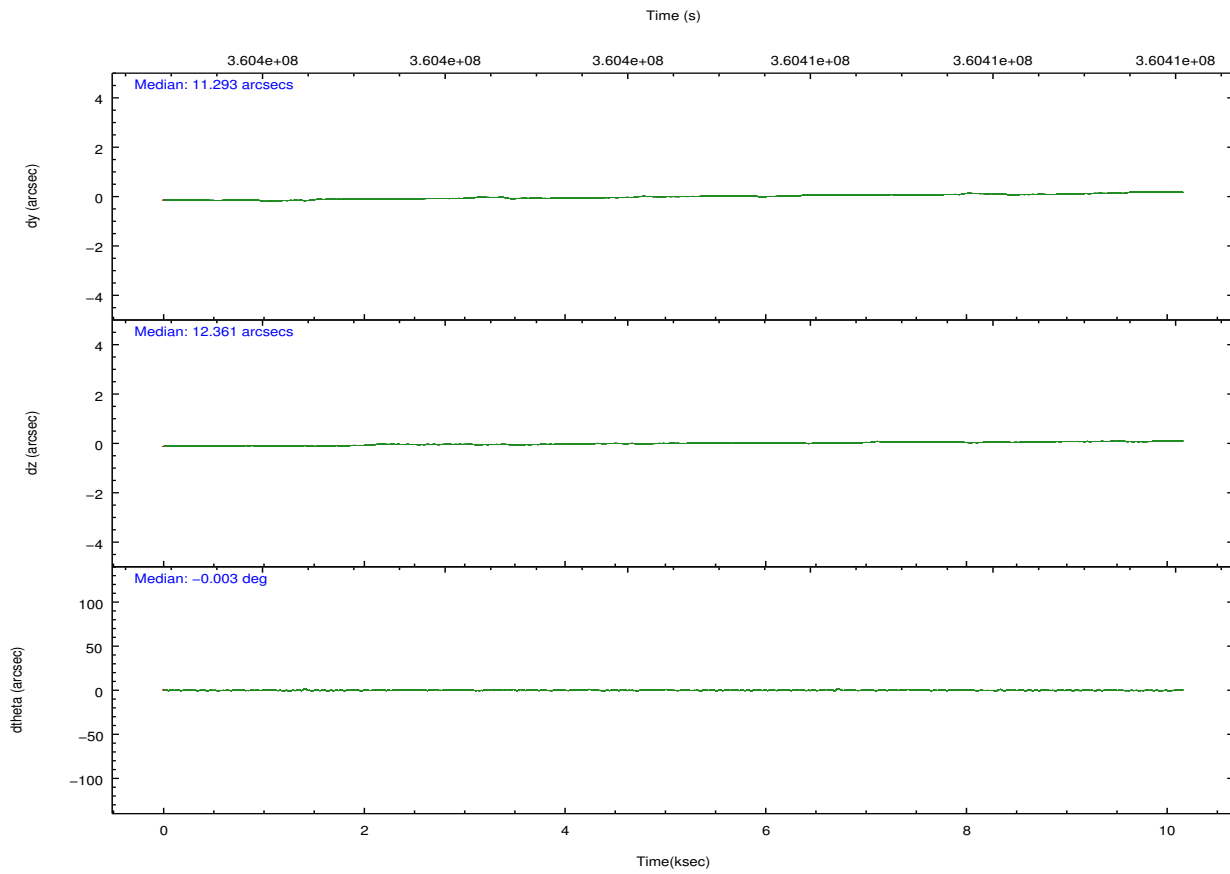
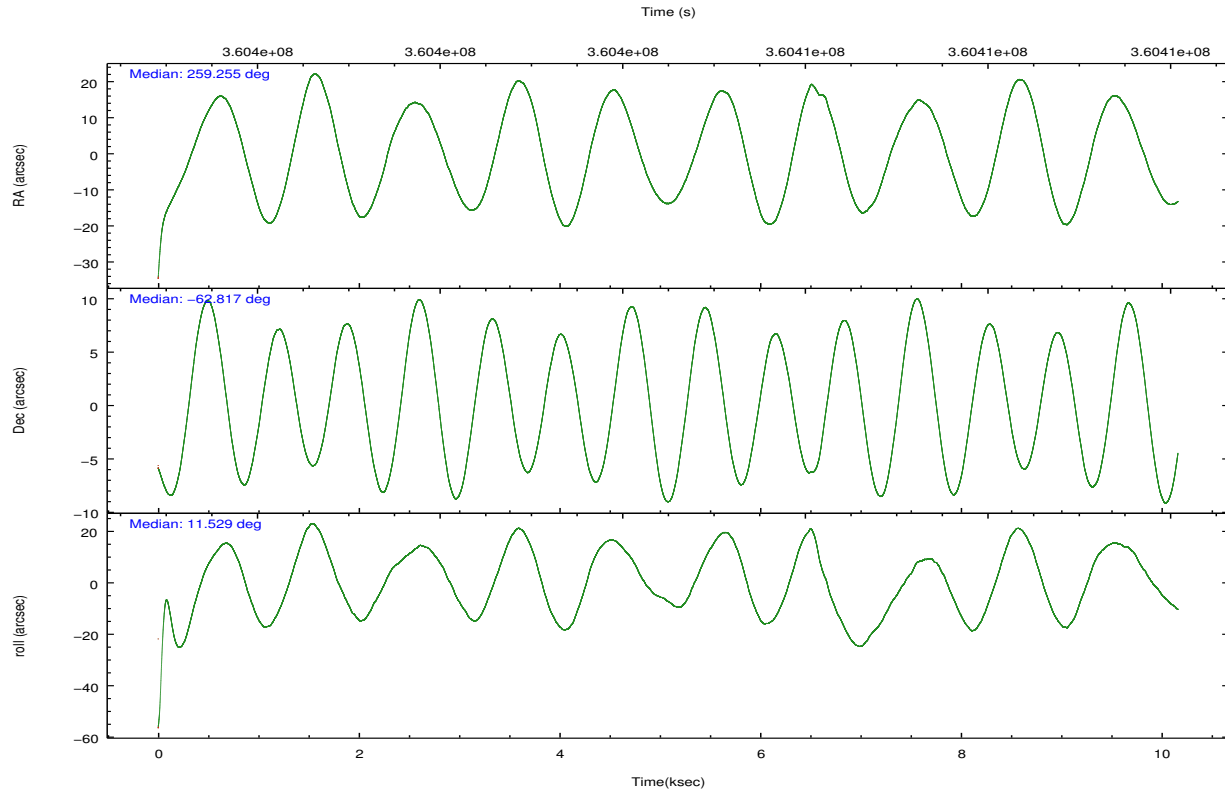
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	11703	1567	2827	3114
	19%	4%	5%	6%
grade 1 events	210	8	82	24
	0%	0%	0%	0%
grade 2 events	7537	826	5003	2315
	12%	2%	10%	4%
grade 3 events	1361	588	2474	1143
	2%	1%	5%	2%
grade 4 events	1253	558	2334	1127
	2%	1%	4%	2%
grade 5 events	3955	1519	4387	2007
	6%	4%	8%	4%
grade 6 events	11734	791	10971	3060
	19%	2%	22%	6%
grade 7 events	22234	28301	21007	36231
	37%	82%	42%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	259.211364	259.2555691620302	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-62.835647	-62.81727619171093	Subarray start row	385	385
[deg] Pointing Roll	11.335344	11.5312560955354	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	360399582.184000	360398220.59301			
Observation start date	2009-06-03T06:58:36	2009-06-03T06:37:00			
[s] Observation end time (MET)	360409582.184000	360410349.93112			
Observation end date	2009-06-03T09:45:16	2009-06-03T09:59:09			
Read mode	TIMED	TIMED			

2.3 Aspect



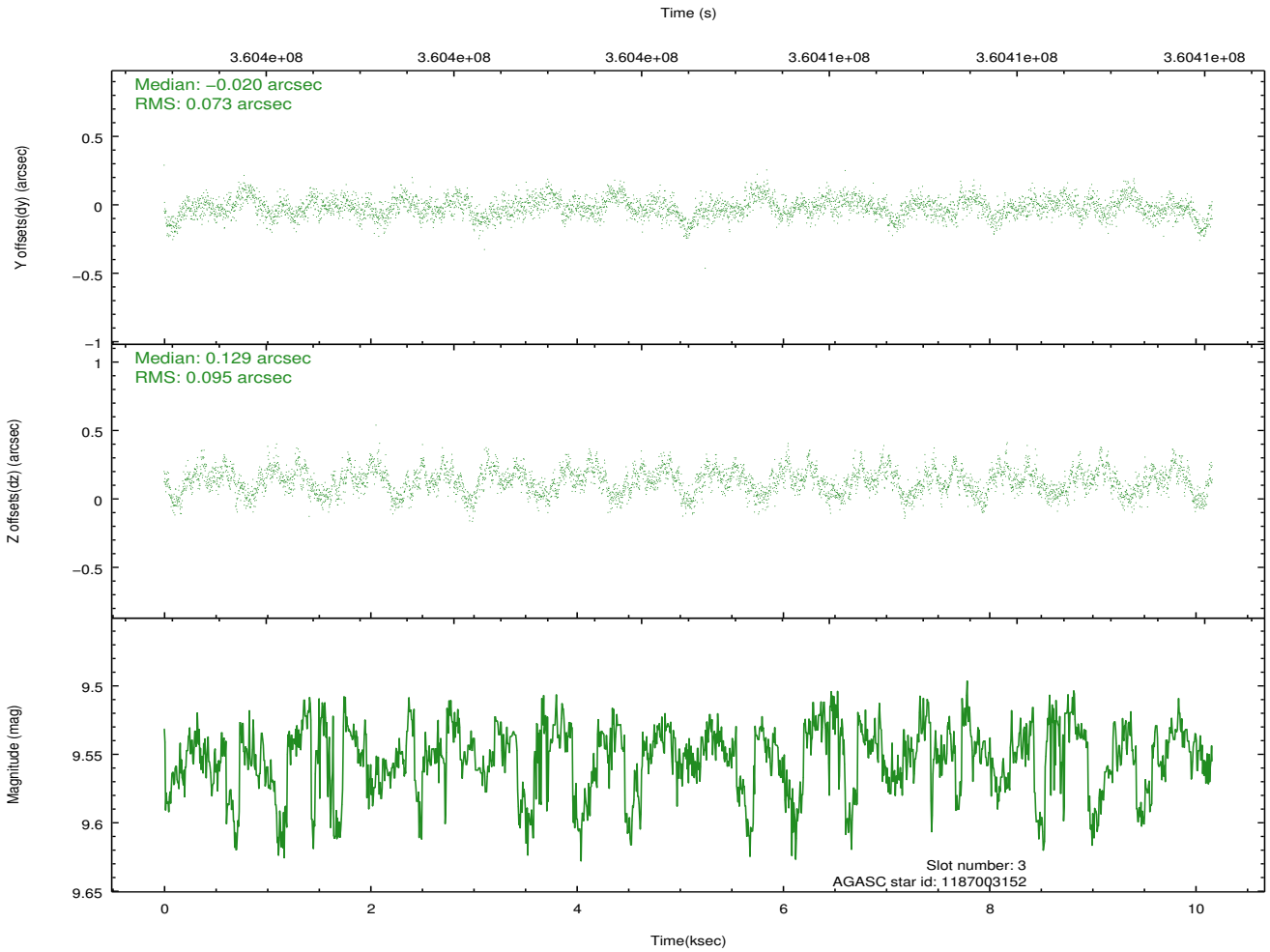
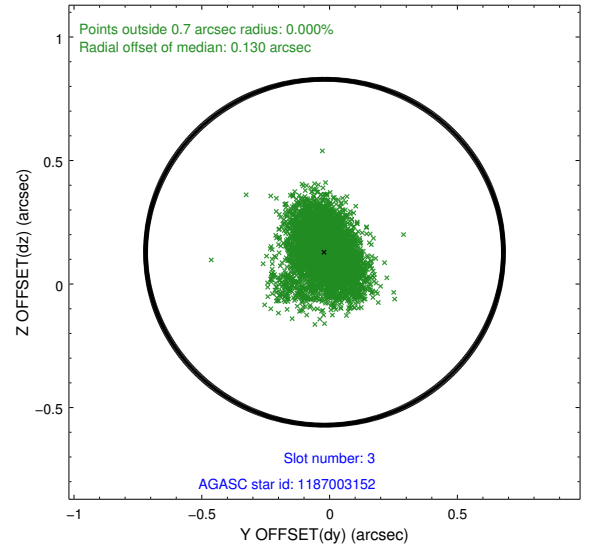
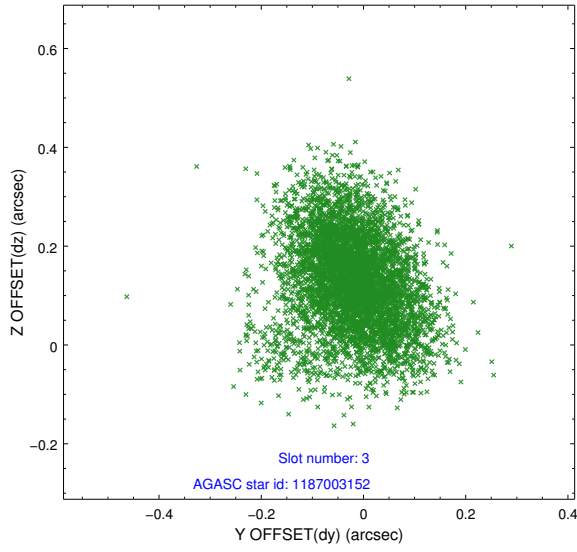


Slot Statistics

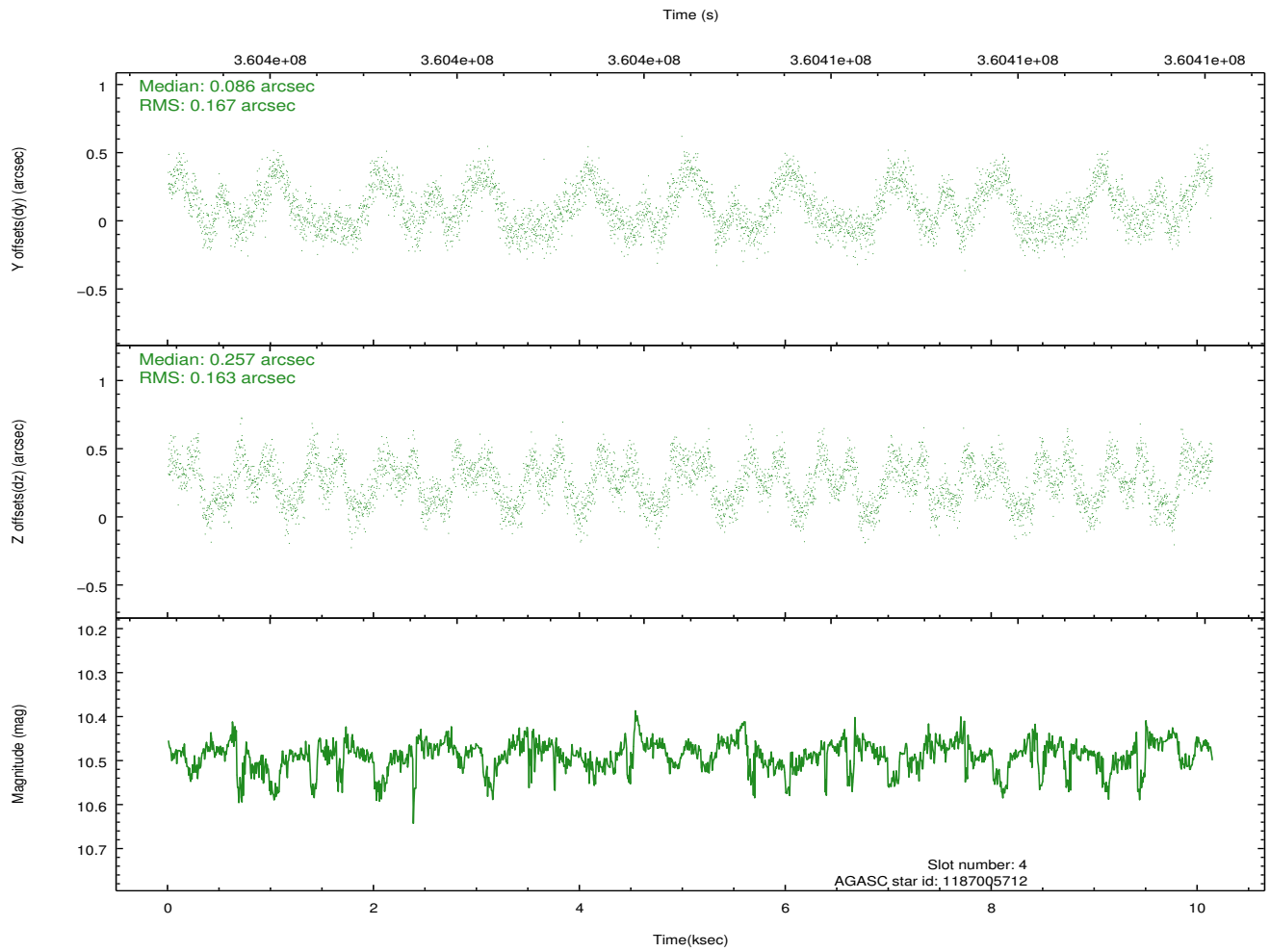
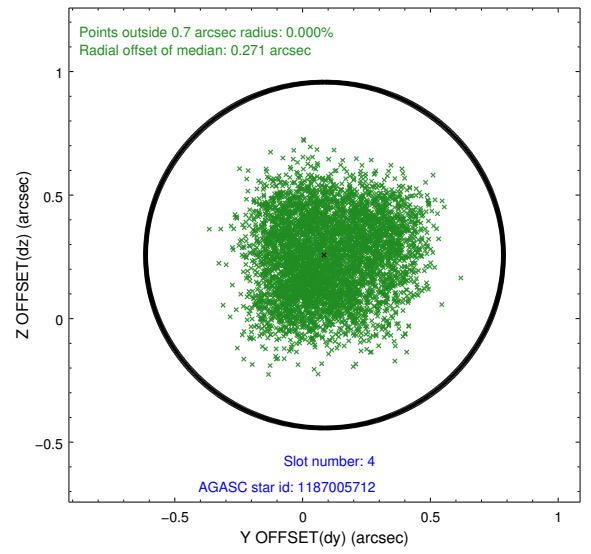
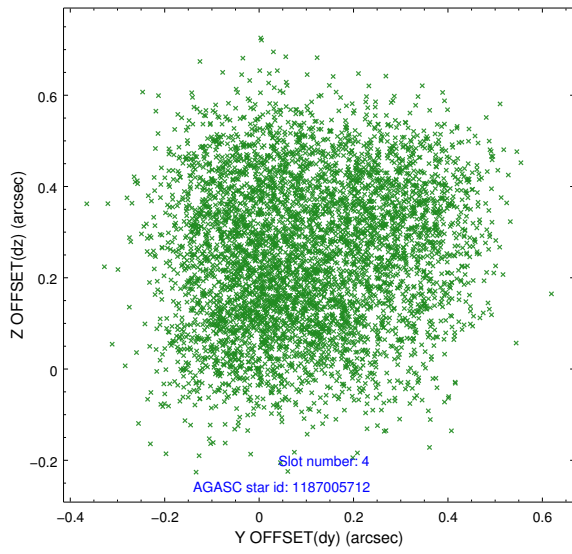
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2479	-0.030	-0.031	0.007	0.012	0.000000	0.000000	-764.20	-1733.68
1	FID	ACIS-S-4	7.01	2479	0.122	0.023	0.006	0.013	0.000000	0.000000	2149.01	174.29
2	FID	ACIS-S-5	7.04	2478	-0.123	0.017	0.007	0.012	0.000000	0.000000	-1816.45	168.58
3	GUIDE	1187003152	9.55	4952	-0.020	0.129	0.126	0.211	259.688405	-63.307332	422.62	-1819.15
4	GUIDE	1187005712	10.49	4933	0.086	0.257	0.256	0.375	258.429980	-63.298362	-1567.56	-1392.51
5	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
6	GUIDE	1187015832	8.18	4954	-0.202	-0.221	0.104	0.162	260.132419	-62.192136	1969.77	1956.31
7	GUIDE	1187015888	10.04	4942	0.112	-0.143	0.177	0.288	257.825503	-62.822896	-2228.94	469.07

2.4 Star Slots

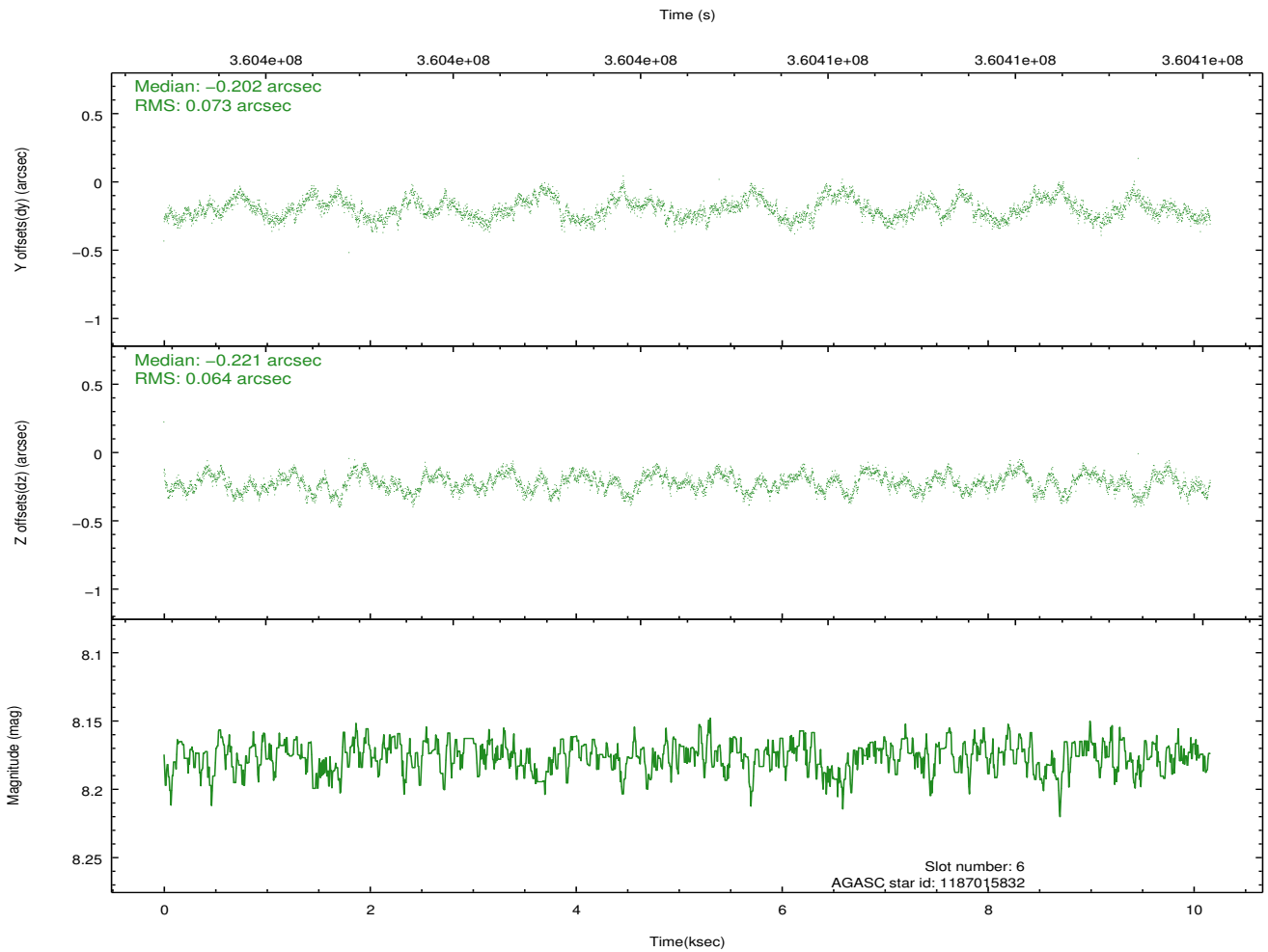
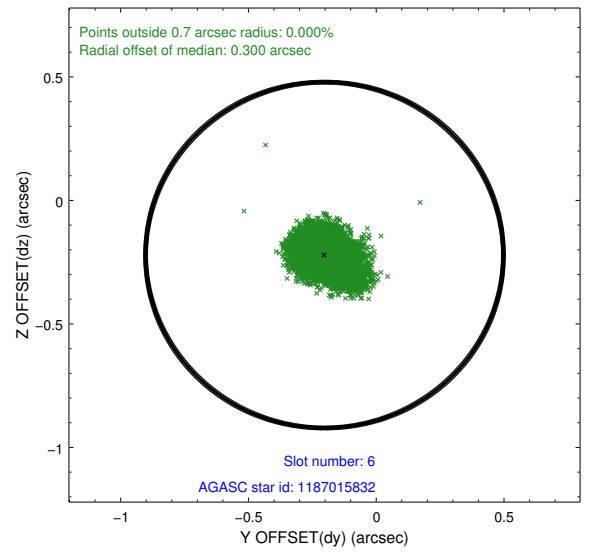
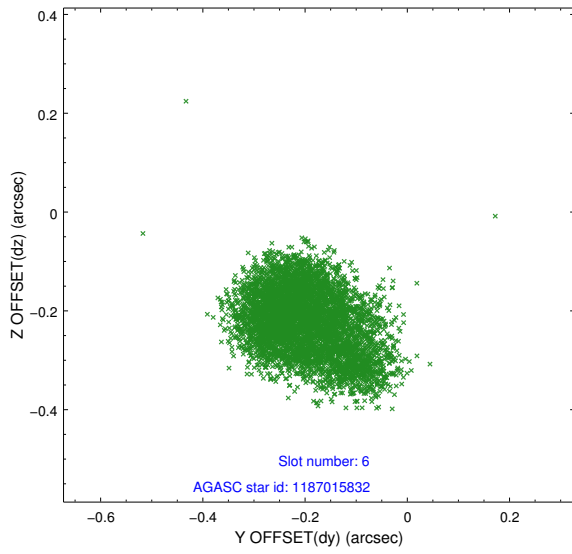
2.4.1 Slot 3



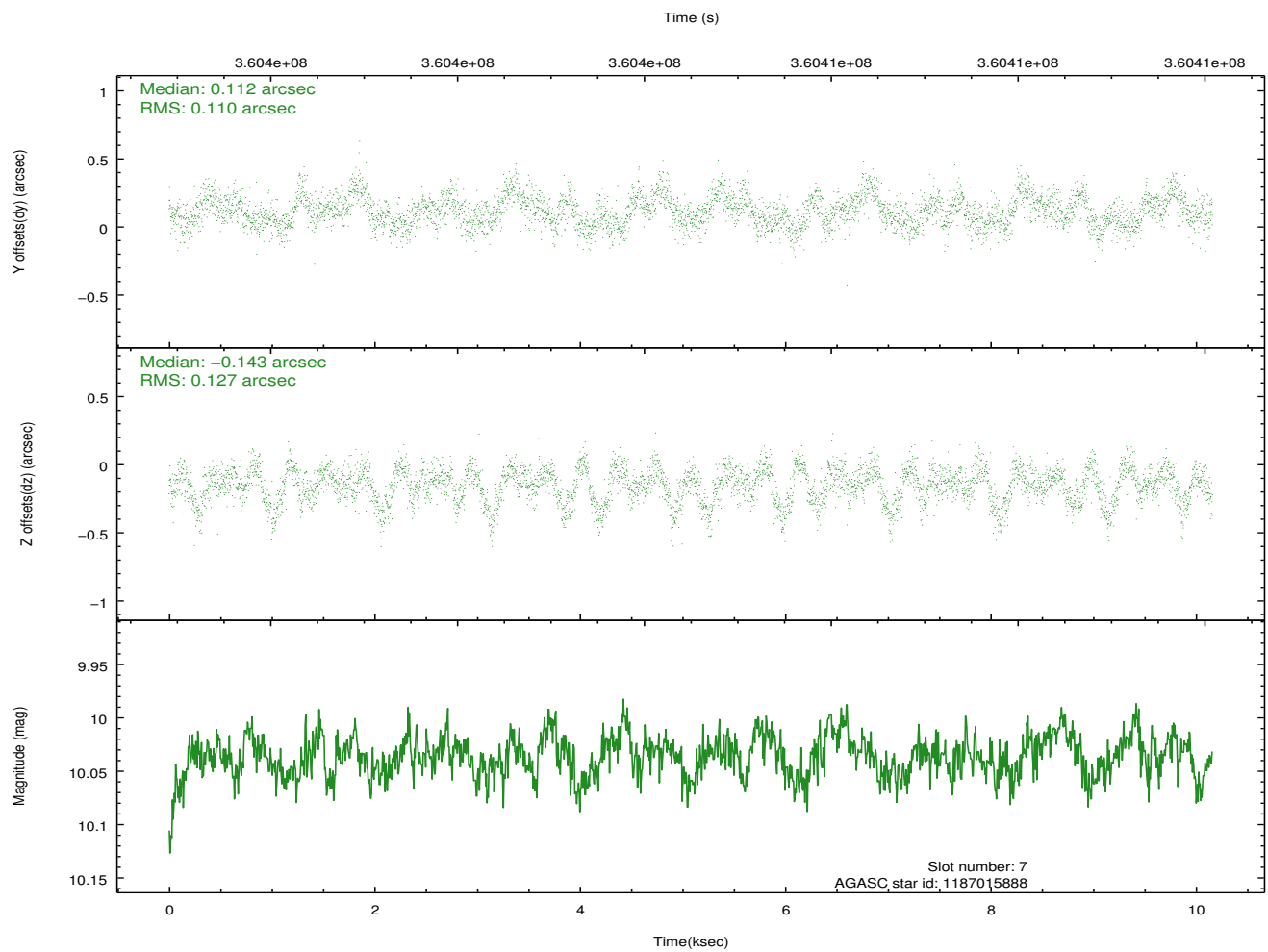
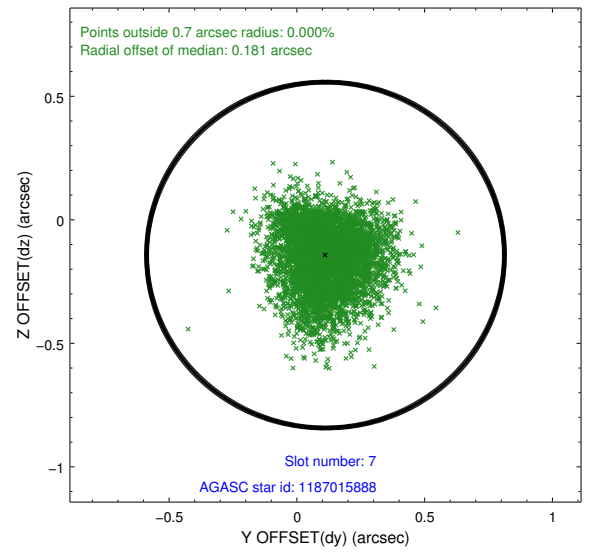
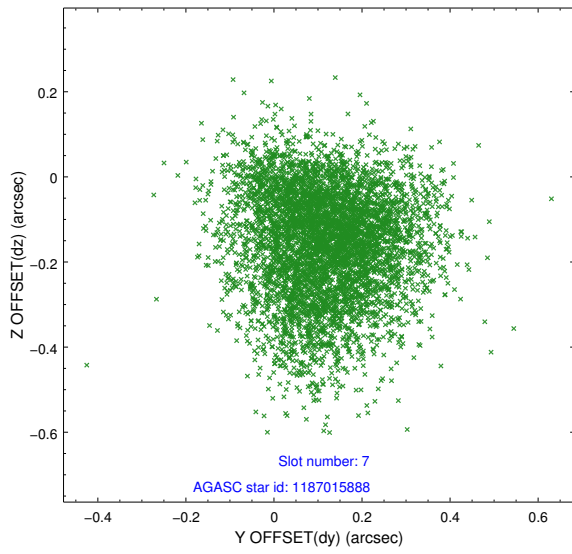
2.4.2 Slot 4



2.4.3 Slot 6

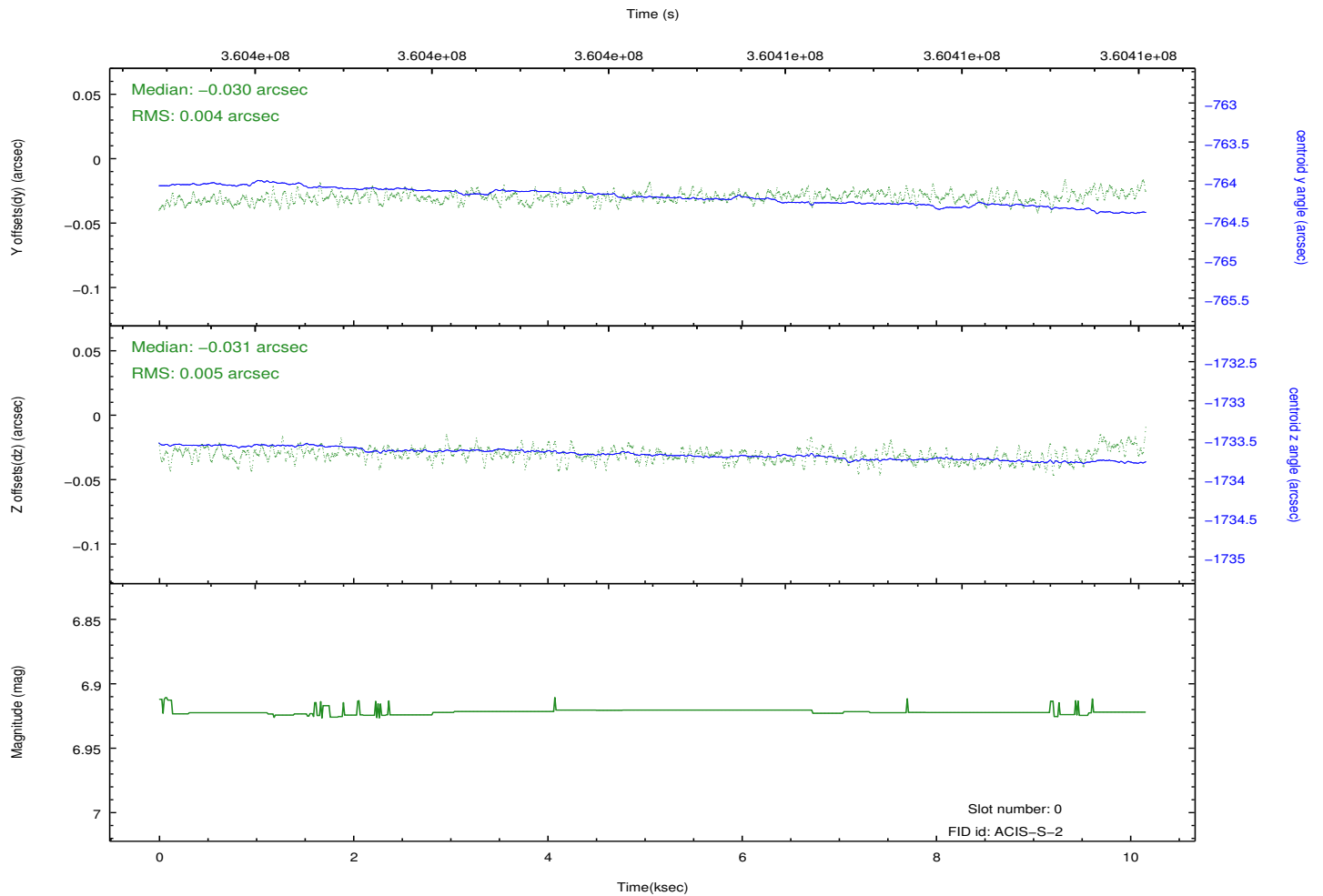
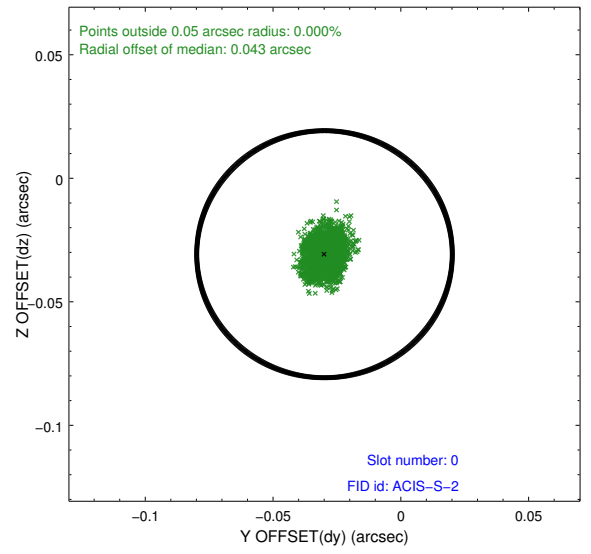
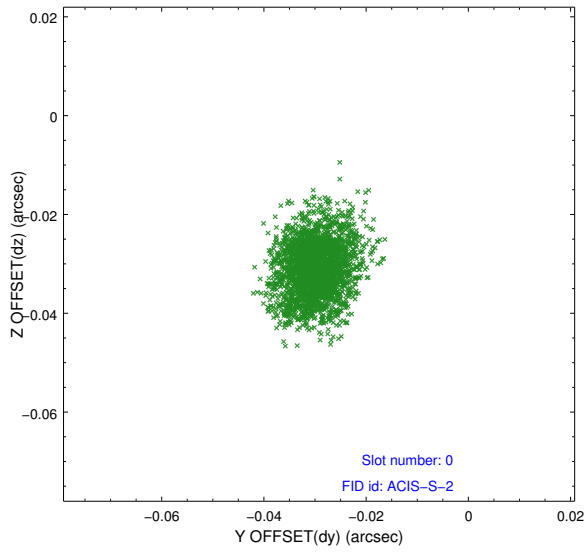


2.4.4 Slot 7

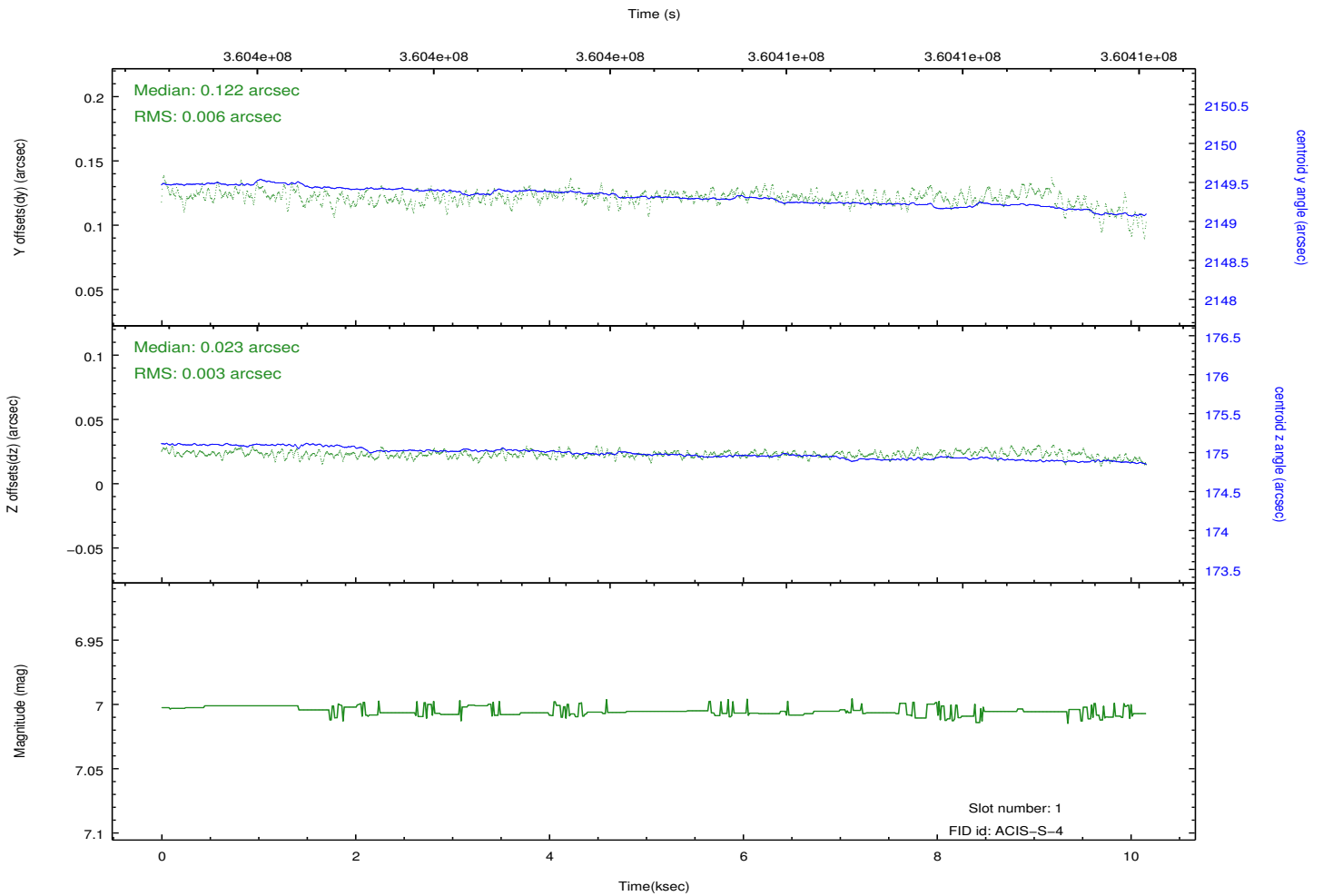
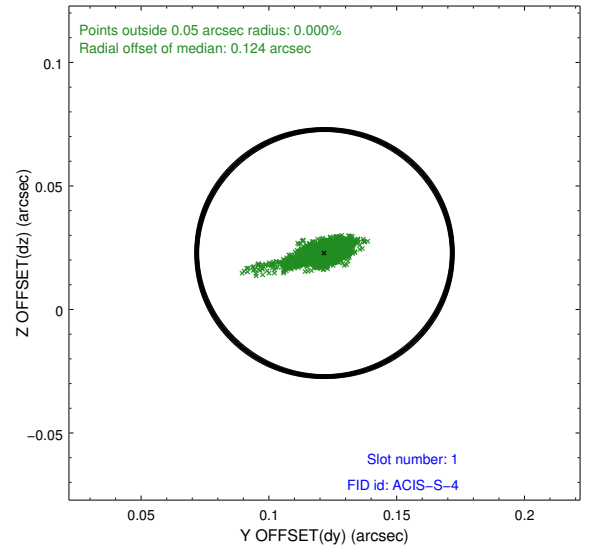
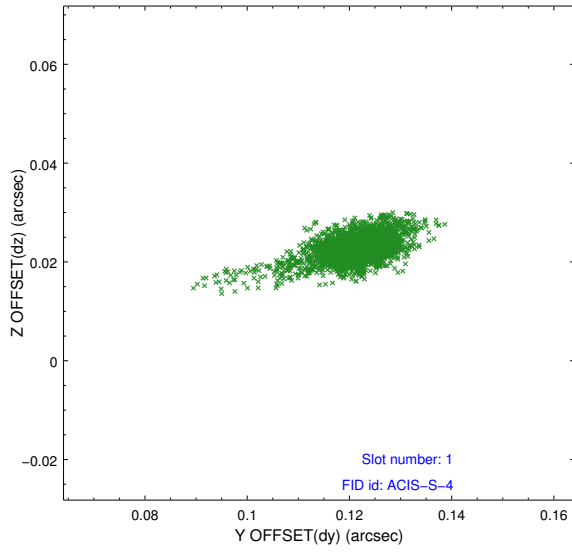


2.5 FID Slots

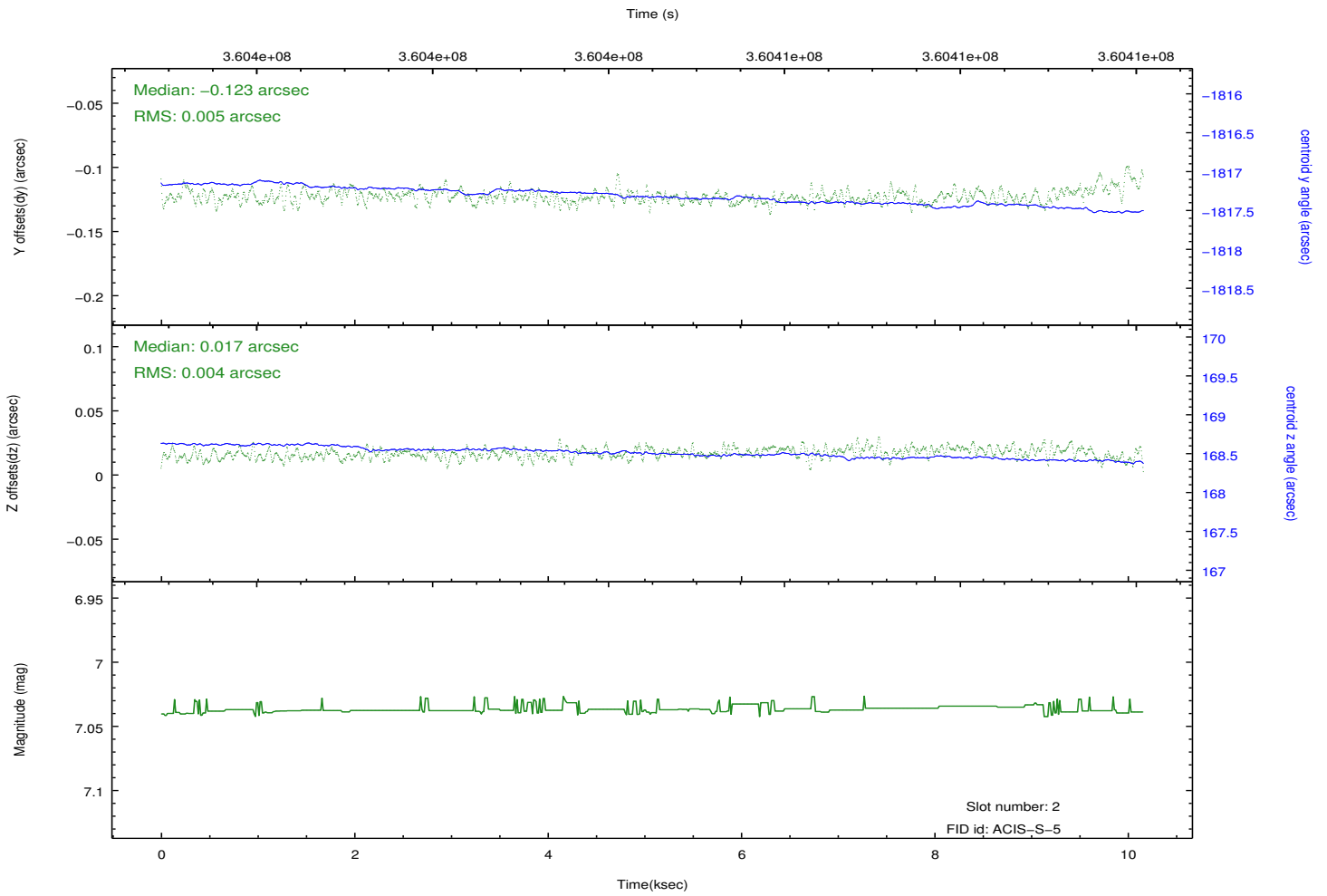
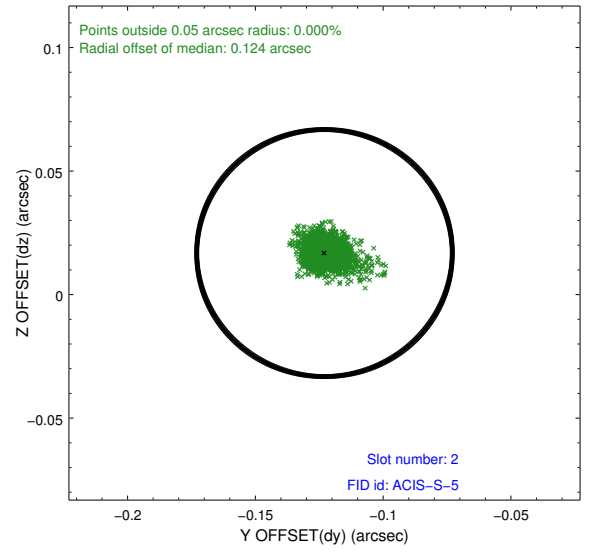
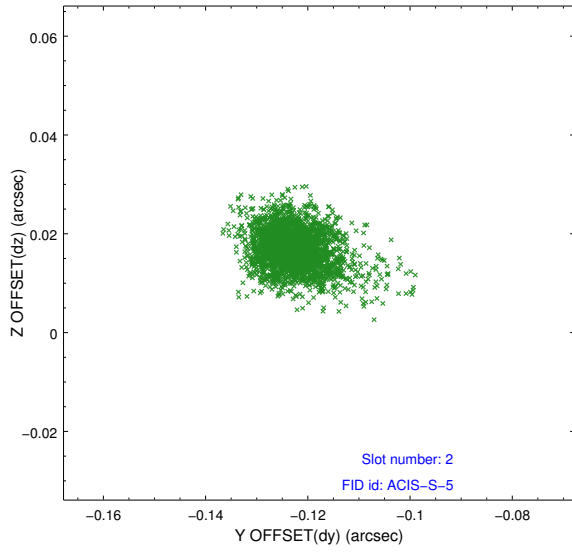
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.16

A.2 Comments

The guide star in slot 5 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.