

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7593 - L2 Version 2
Chandra X-Ray Center

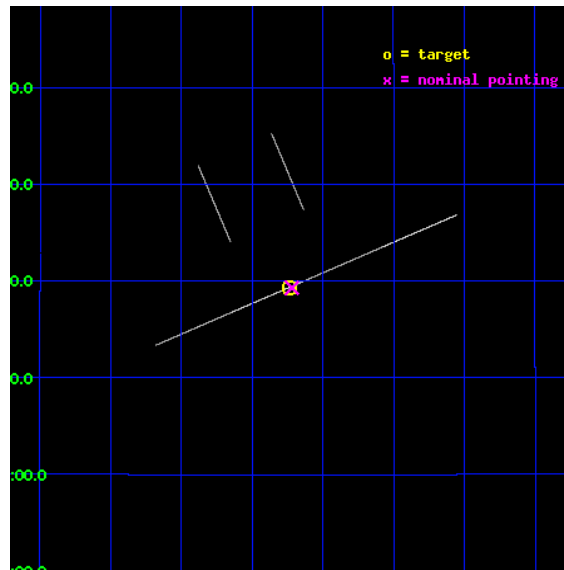
L2 Processing Date : Apr 27 2012

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1 Front

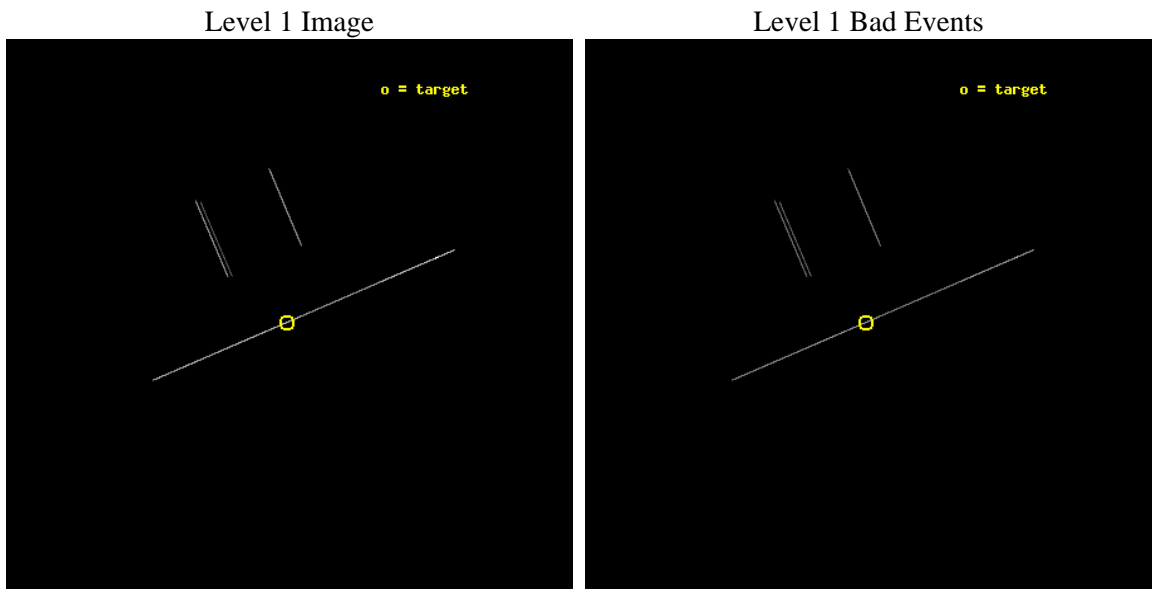
seq_num	500723	Sequence number
obs_id	7593	Observation id
title	Can We Observe the SGR to AXP Transition in Real Time?	Proposal ti
observer	Dr. C. Wilson-Hodge	Principal investigator
object	SGR 1900+14	Source name
ra_targ	286.809583	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.80472564553	Nominal RA [deg]
dec_nom	9.3214932263272	Nominal Dec [deg]
roll_nom	156.82452114083	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12193.25	Sum of GTIs [s]
livetime	12145.620117188	Livetime [s]
ontime2	12193.25	Sum of GTIs [s]
ontime3	12193.25	Sum of GTIs [s]
ontime5	12193.25	Sum of GTIs [s]
ontime6	12193.25	Sum of GTIs [s]
ontime7	12193.25	Sum of GTIs [s]
ontime8	12193.25	Sum of GTIs [s]
l2events	216664	Number of level 2 events



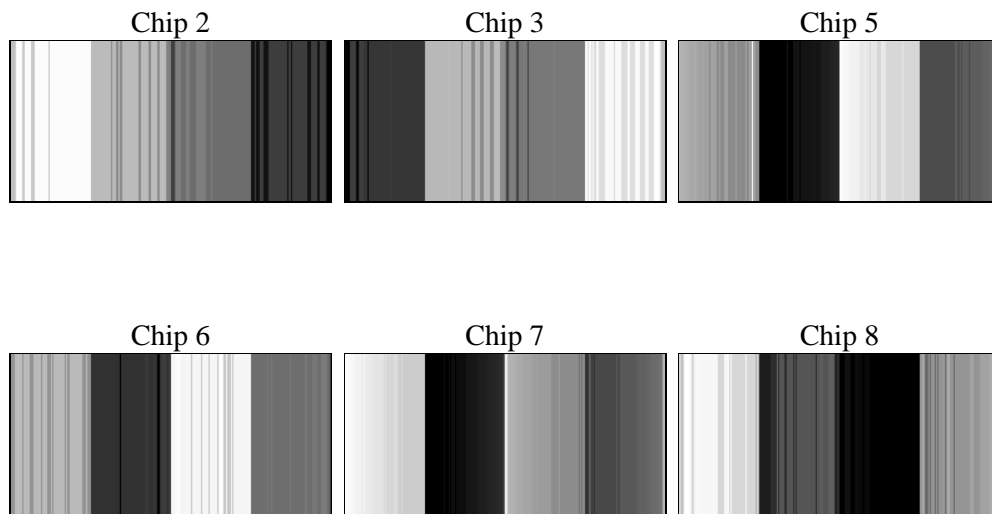
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12034.175000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	12193.25	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	12193.25	Sum of GTIs [s]
date	2012-04-27T01:49:55	Date and time of file creation	ontime3	12193.25	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	12193.25	Sum of GTIs [s]
			ontime6	12193.25	Sum of GTIs [s]
			ontime7	12193.25	Sum of GTIs [s]
			ontime8	12193.25	Sum of GTIs [s]
			l1events	381909	Number of level 1 events

2.1.4 Events

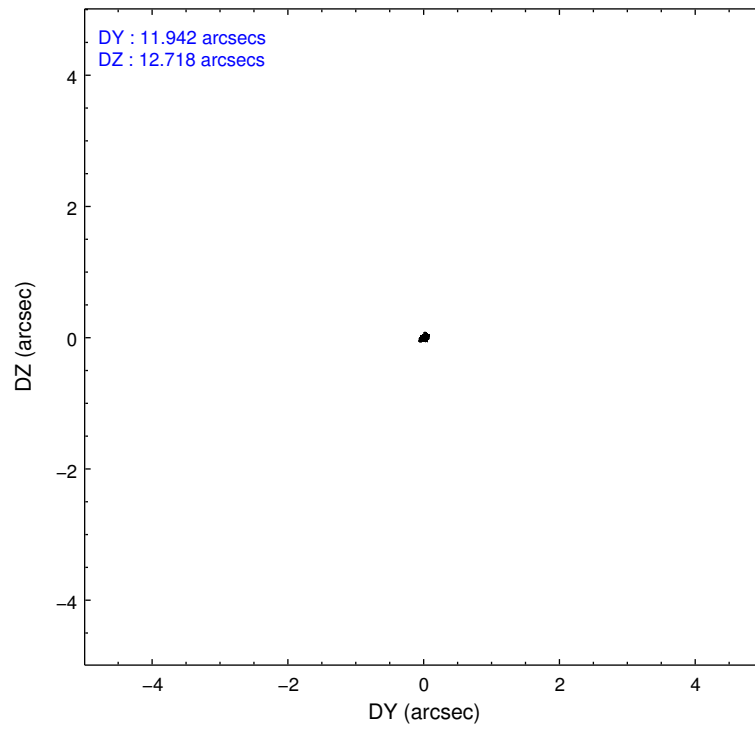
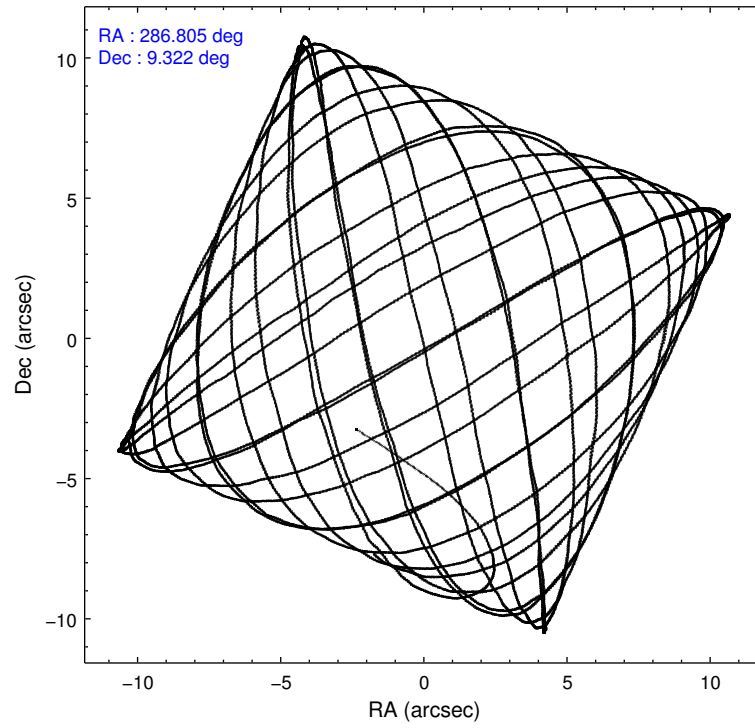
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25745	28701	150236	28619	89215	59393
rejected events	6948	7682	24519	8024	21181	12972
rejected %	26%	26%	16%	28%	23%	21%

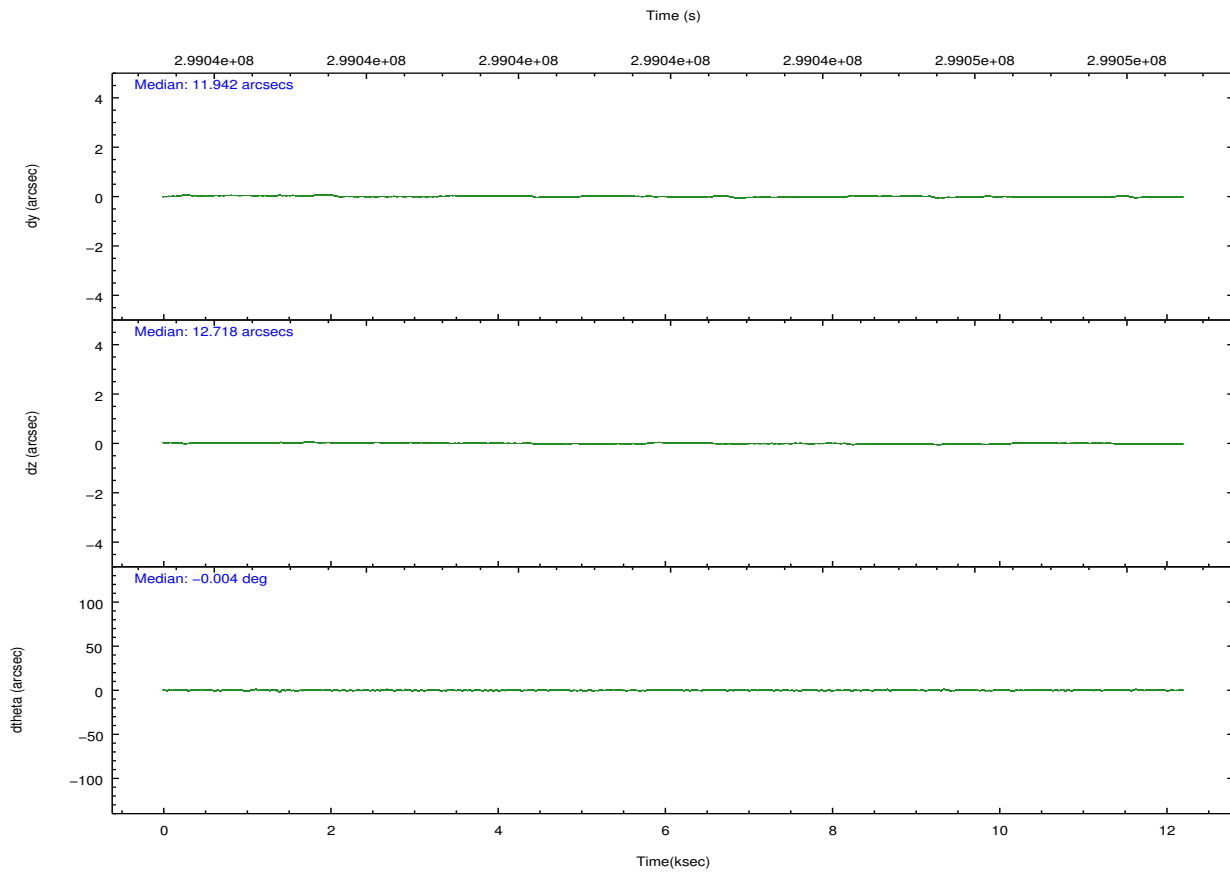
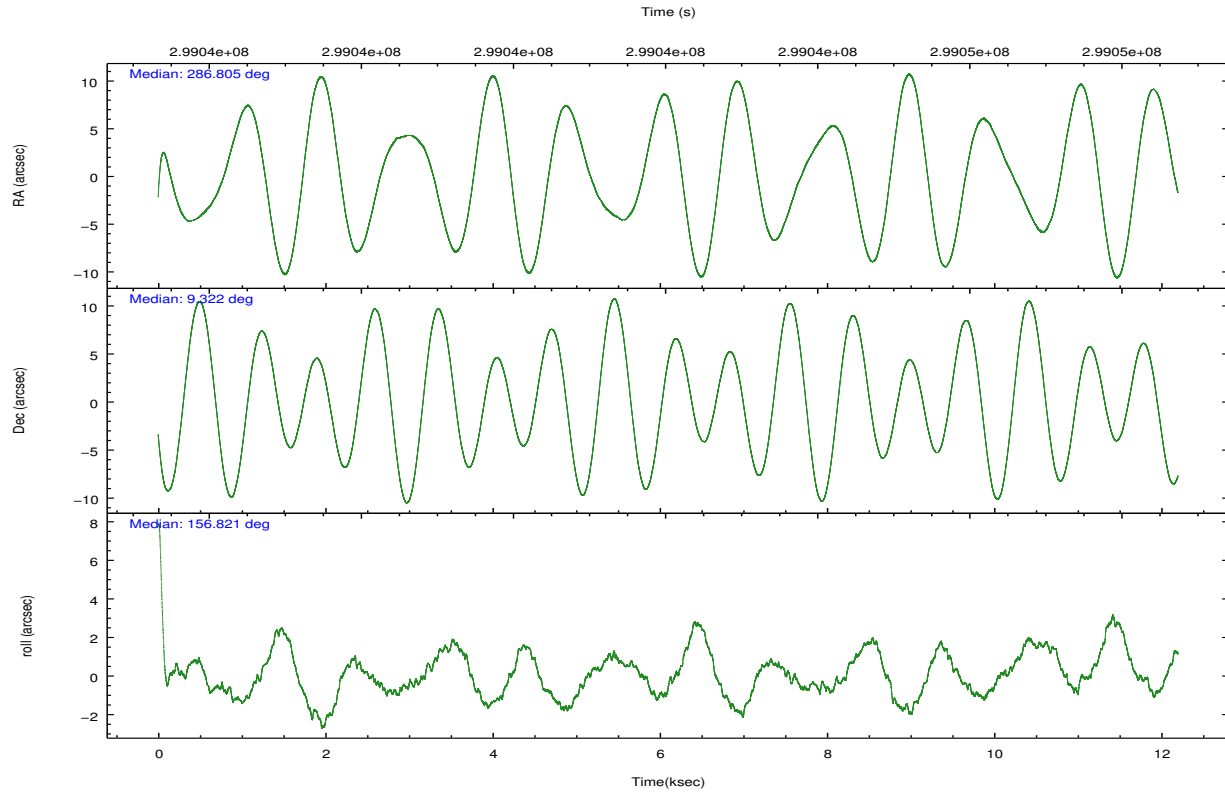
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2958	3308	41780	2754	6222	10407
	11%	11%	27%	9%	6%	17%
grade 1 events	127	134	244	104	219	237
	0%	0%	0%	0%	0%	0%
grade 2 events	7890	8731	38149	8677	19261	15898
	30%	30%	25%	30%	21%	26%
grade 3 events	2817	3307	2495	2949	5062	5808
	10%	11%	1%	10%	5%	9%
grade 4 events	2771	2909	2354	2762	4968	5557
	10%	10%	1%	9%	5%	9%
grade 5 events	4786	5247	12208	5744	14316	7944
	18%	18%	8%	20%	16%	13%
grade 6 events	4396	5065	53006	5629	39167	13542
	17%	17%	35%	19%	43%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	286.832184	286.8047256455349	CCD I2 on	O1	Y
[deg] Pointing Dec	9.325159	9.32149322632724	CCD I3 on	Y	Y
[deg] Pointing Roll	156.663432	156.8245211408274	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	O2	Y
[s] Observation start time (MET)	299036093.184000	299034646.85858	CCD S5 on	N	N
Observation start date	2007-06-24T01:33:48	2007-06-24T01:10:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	299048127.184000	299048347.52174	On-chip summing requested	N	N
Observation end date	2007-06-24T04:54:22	2007-06-24T04:59:07	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



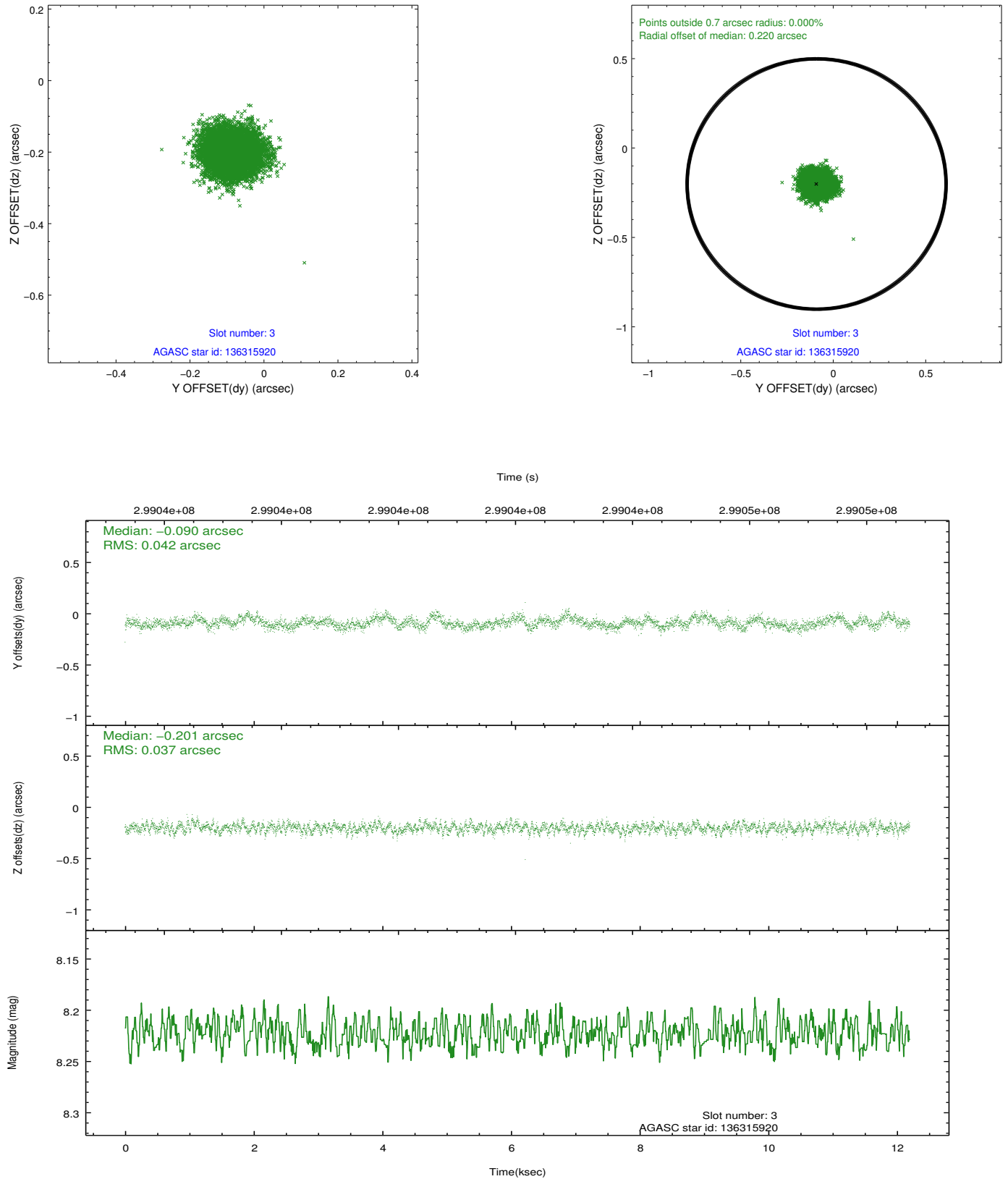


Slot Statistics

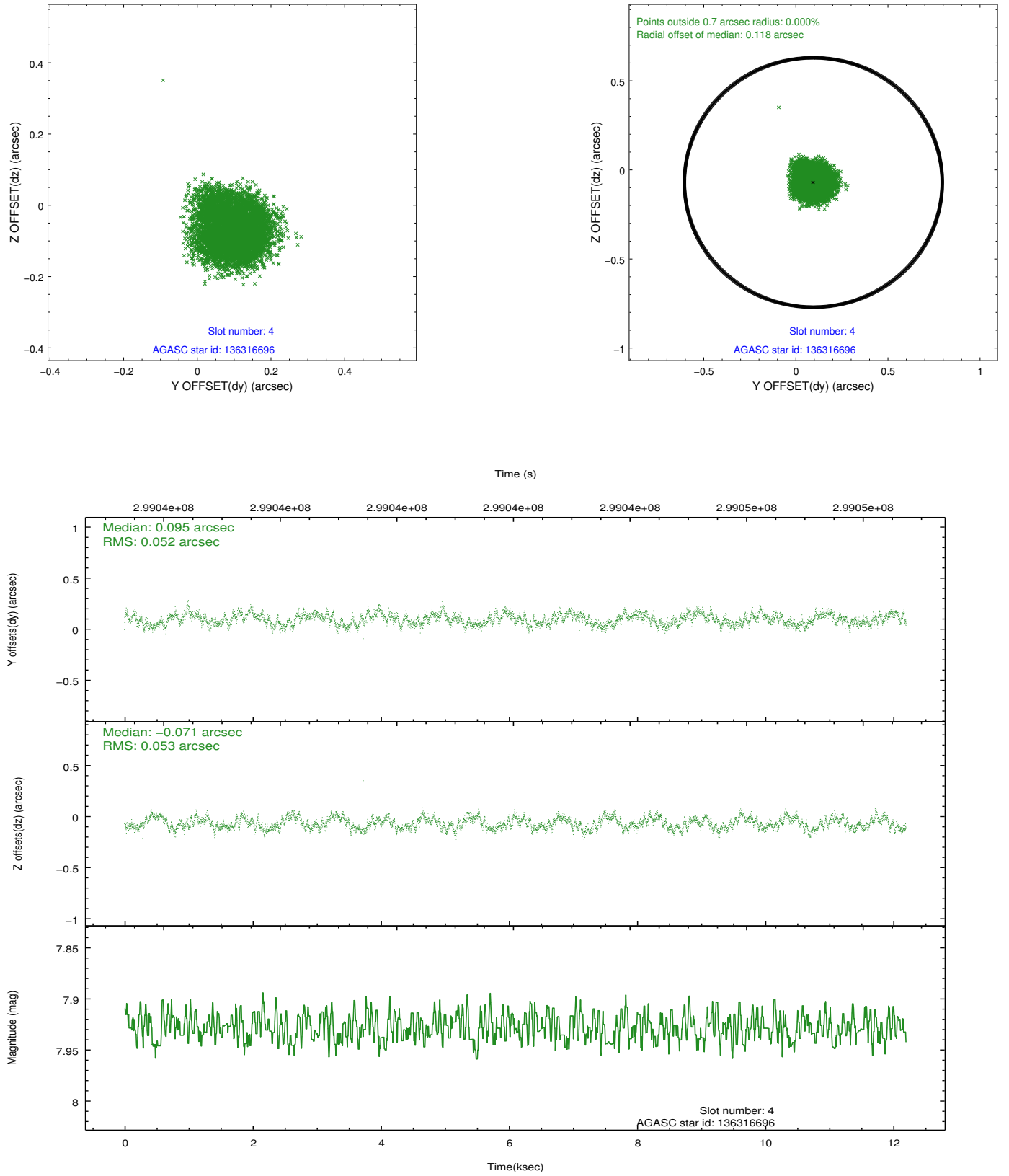
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2974	-0.025	-0.055	0.006	0.010	0.000000	0.000000	-764.87	-1734.03
1	FID	ACIS-S-4	7.19	2976	0.136	0.027	0.005	0.010	0.000000	0.000000	2148.40	174.09
2	FID	ACIS-S-5	7.23	2974	-0.142	0.037	0.006	0.011	0.000000	0.000000	-1817.29	168.26
3	GUIDE	136315920	8.22	5952	-0.090	-0.201	0.060	0.095	286.430663	9.097145	985.91	1318.31
4	GUIDE	136316696	7.93	5952	0.095	-0.071	0.081	0.121	287.190166	9.367792	-1105.47	-645.06
5	GUIDE	136850720	9.12	5948	0.106	0.153	0.093	0.145	287.164458	9.793870	-413.30	-2016.68
6	GUIDE	136845920	7.24	5951	-0.043	0.049	0.072	0.118	286.285607	9.642131	2234.10	-280.78
7	GUIDE	136979696	9.38	5945	-0.072	0.070	0.107	0.169	287.607746	9.703592	-1985.49	-2344.14

2.4 Star Slots

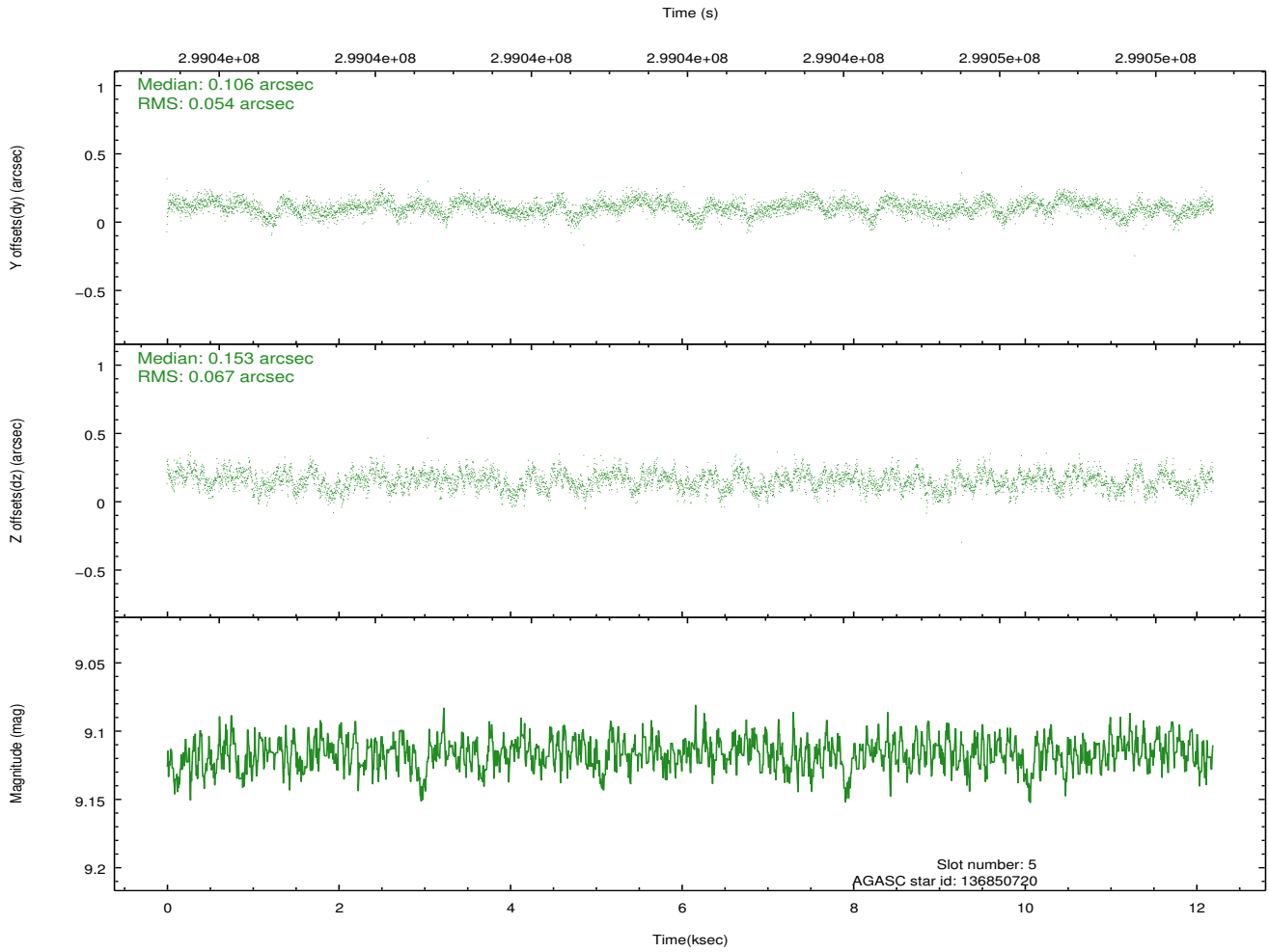
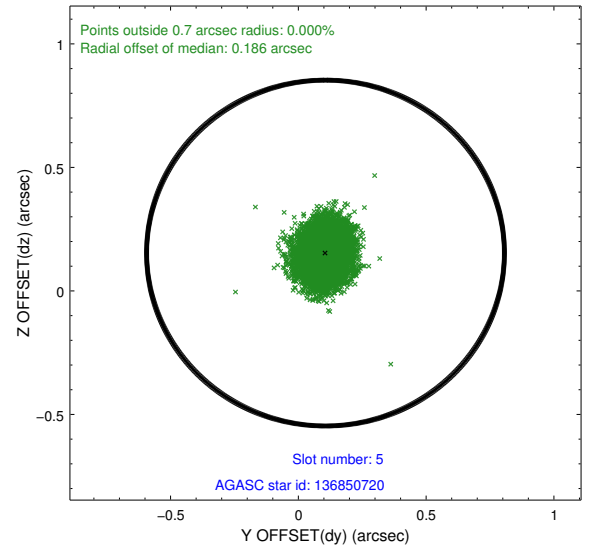
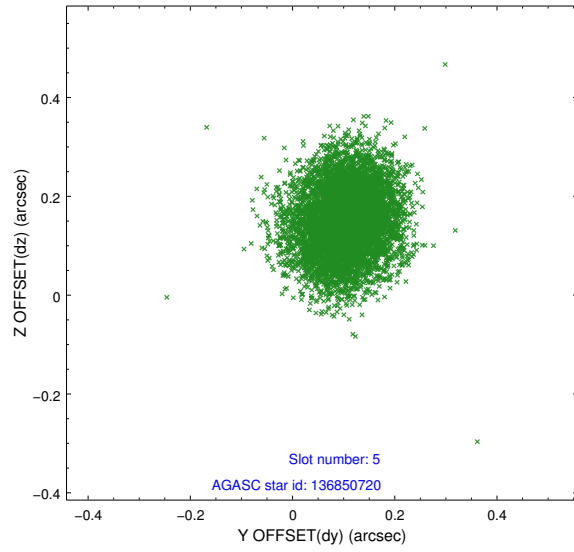
2.4.1 Slot 3



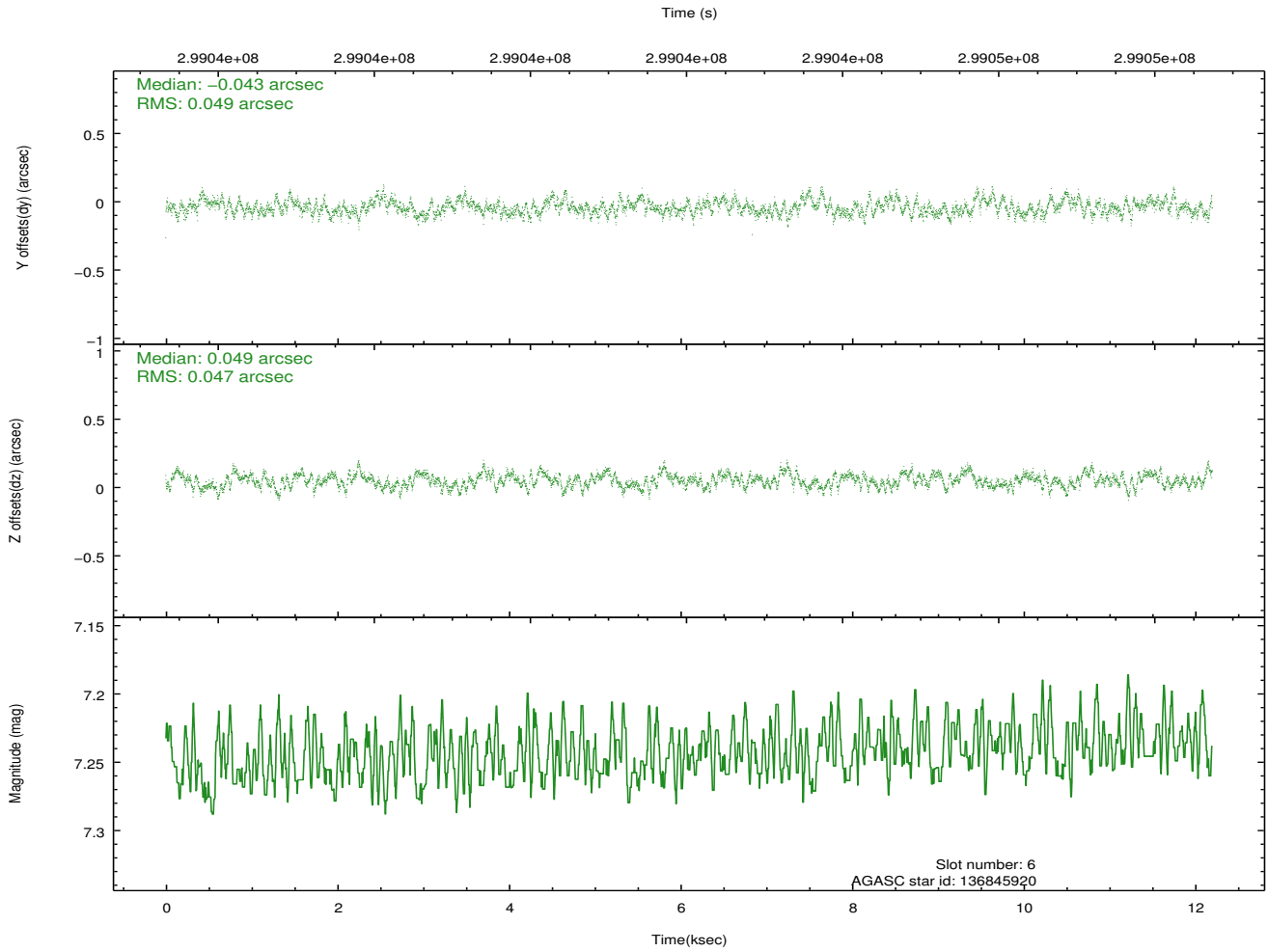
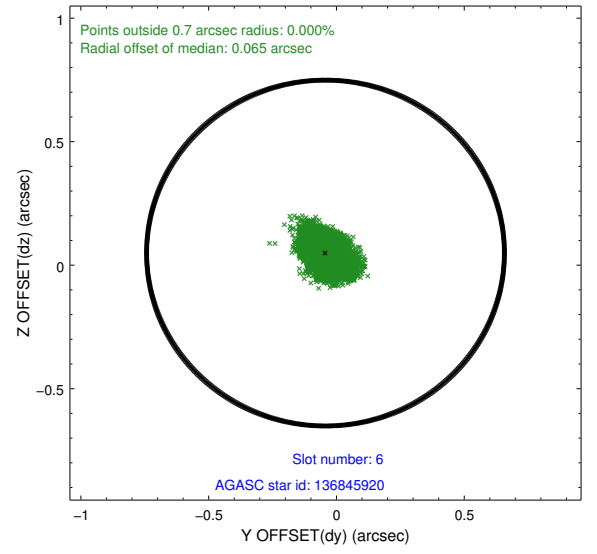
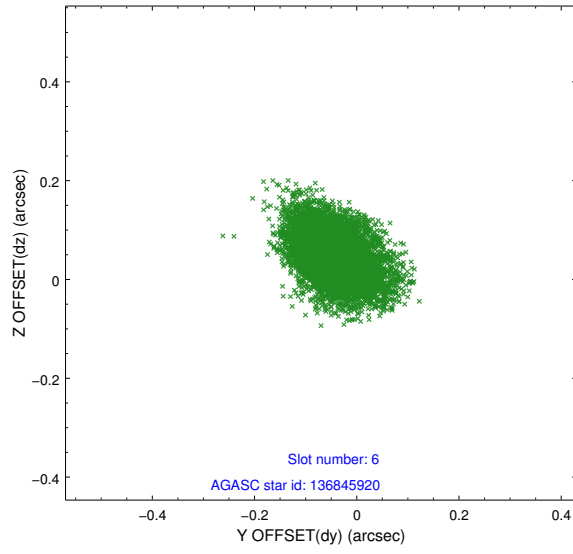
2.4.2 Slot 4



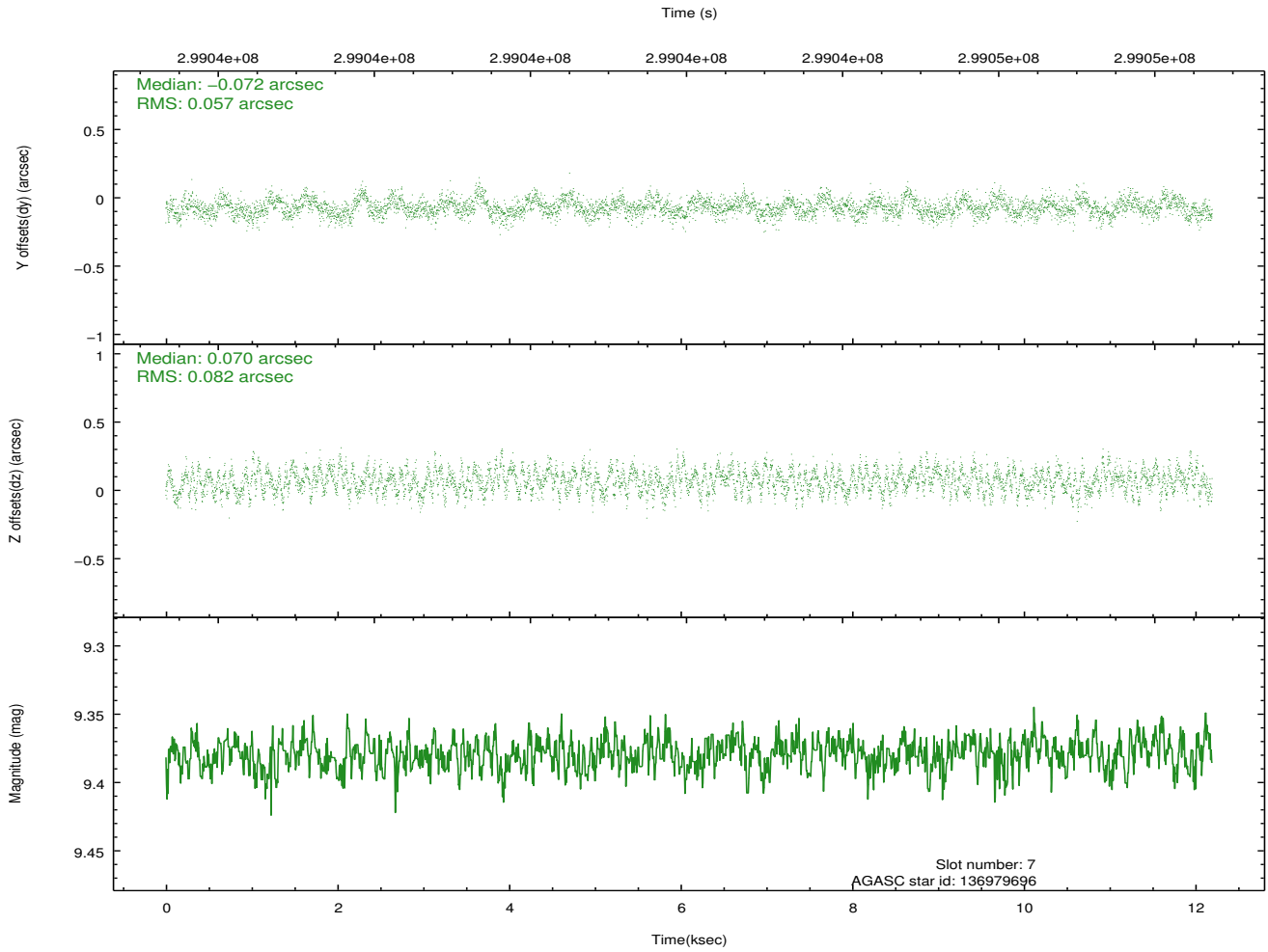
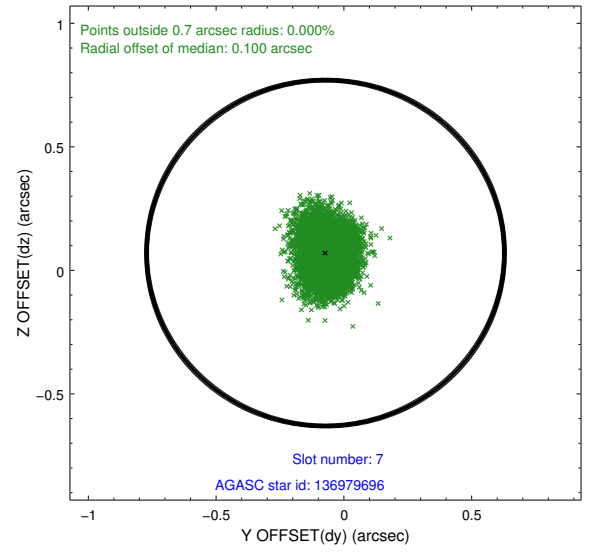
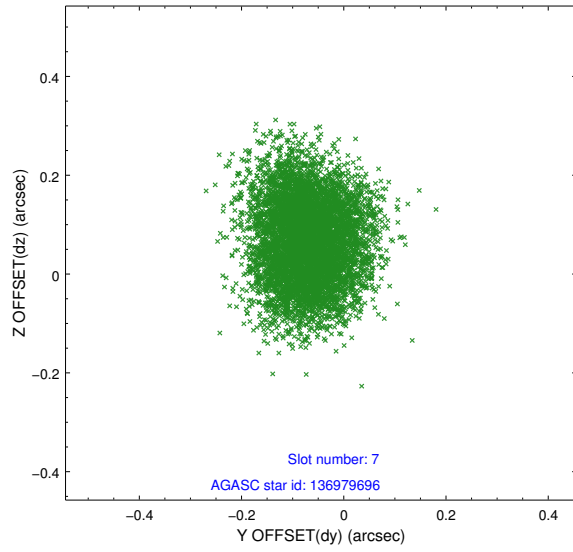
2.4.3 Slot 5



2.4.4 Slot 6

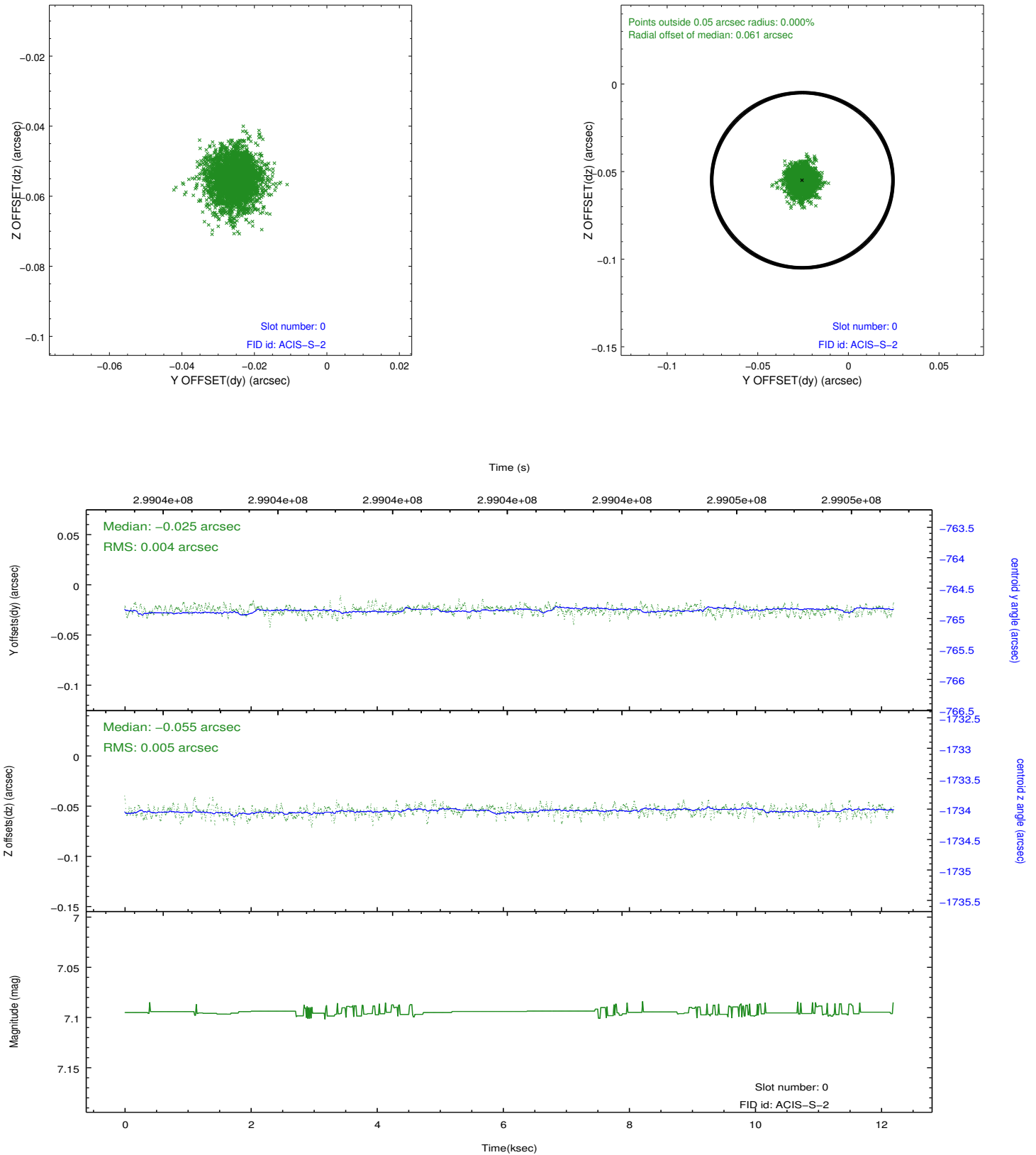


2.4.5 Slot 7

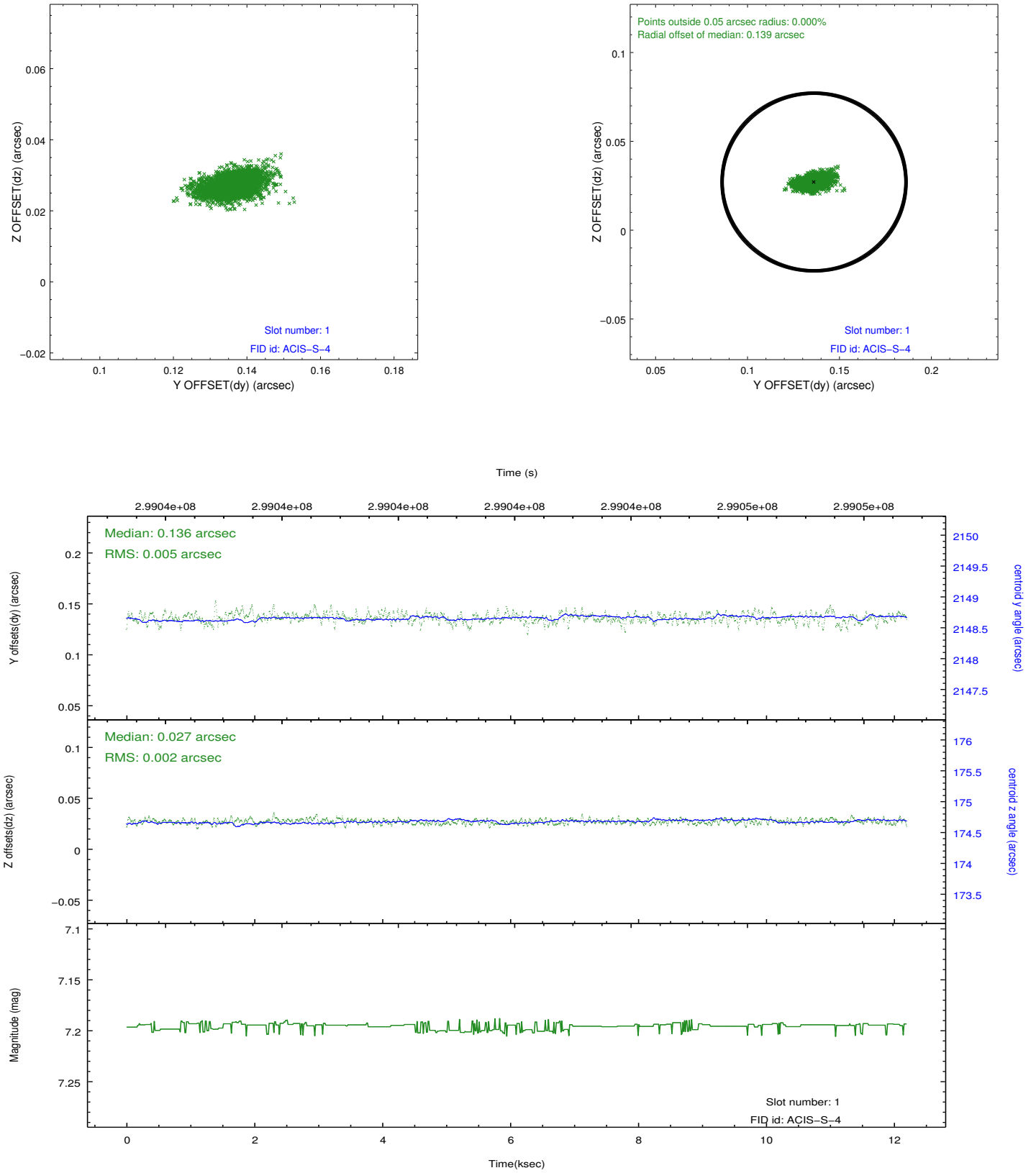


2.5 FID Slots

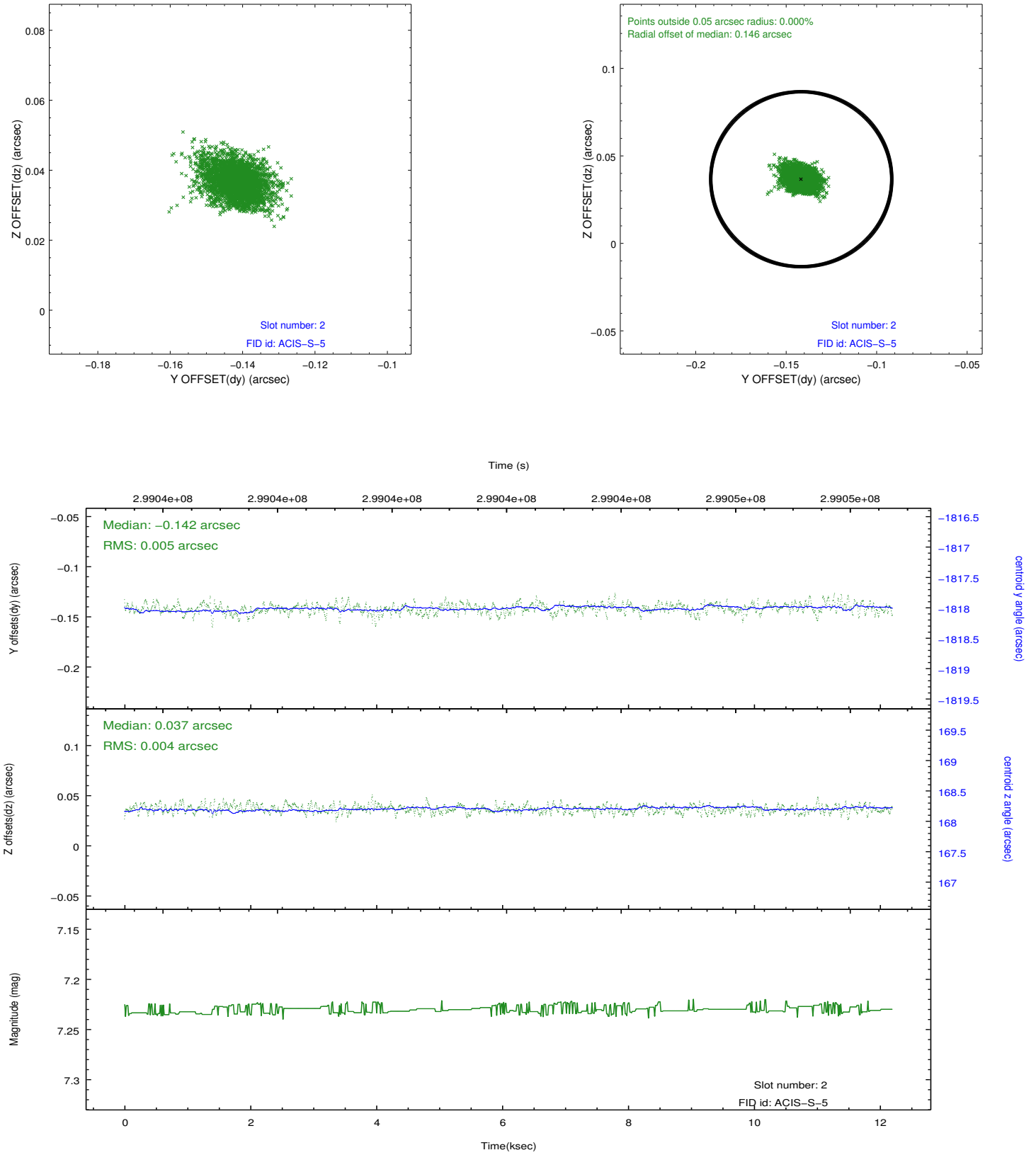
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.19325

A.2 Comments