

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17197 - L2 Version 1
Chandra X-Ray Center

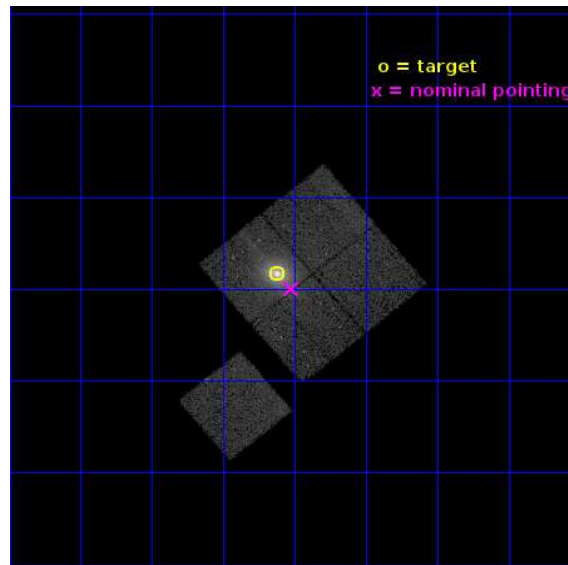
L2 Processing Date : Jun 5 2015

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1 Front

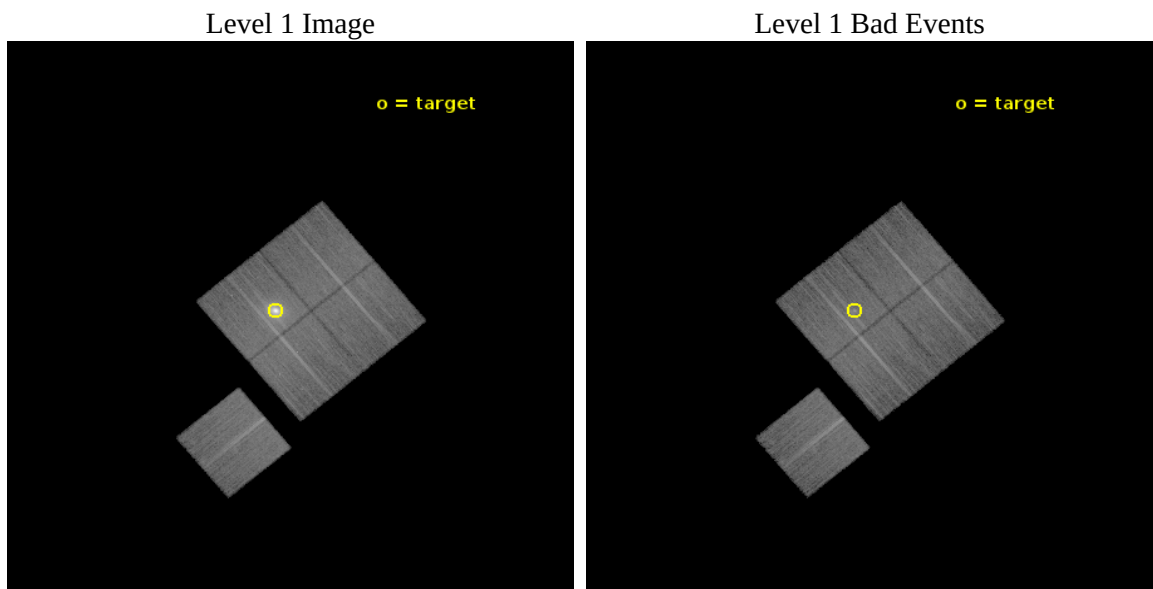
seq_num	801479	Sequence number
obs_id	17197	Observation id
title	The unexpected SZ structure of the extreme cool core in the galaxy cluster RXCJ1504	Proposal title
observer	Dr Simona Giacintucci	Principal investigator
object	RXCJ1504.1-0248	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	226.03125	Observer's specified target RA [deg]
dec_targ	-2.804444	Observer's specified target Dec [deg]
ra_nom	226.0056193609	Nominal RA [deg]
dec_nom	-2.8323088574029	Nominal Dec [deg]
roll_nom	230.20741764804	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30175.400232196	Sum of GTIs [s]
livetime	29781.136413356	Livetime [s]
ontime0	30175.400232196	Sum of GTIs [s]
ontime1	30169.118151784	Sum of GTIs [s]
ontime2	30175.400232196	Sum of GTIs [s]
ontime3	30175.400232196	Sum of GTIs [s]
ontime6	30169.11817193	Sum of GTIs [s]
l2events	157680	Number of level 2 events



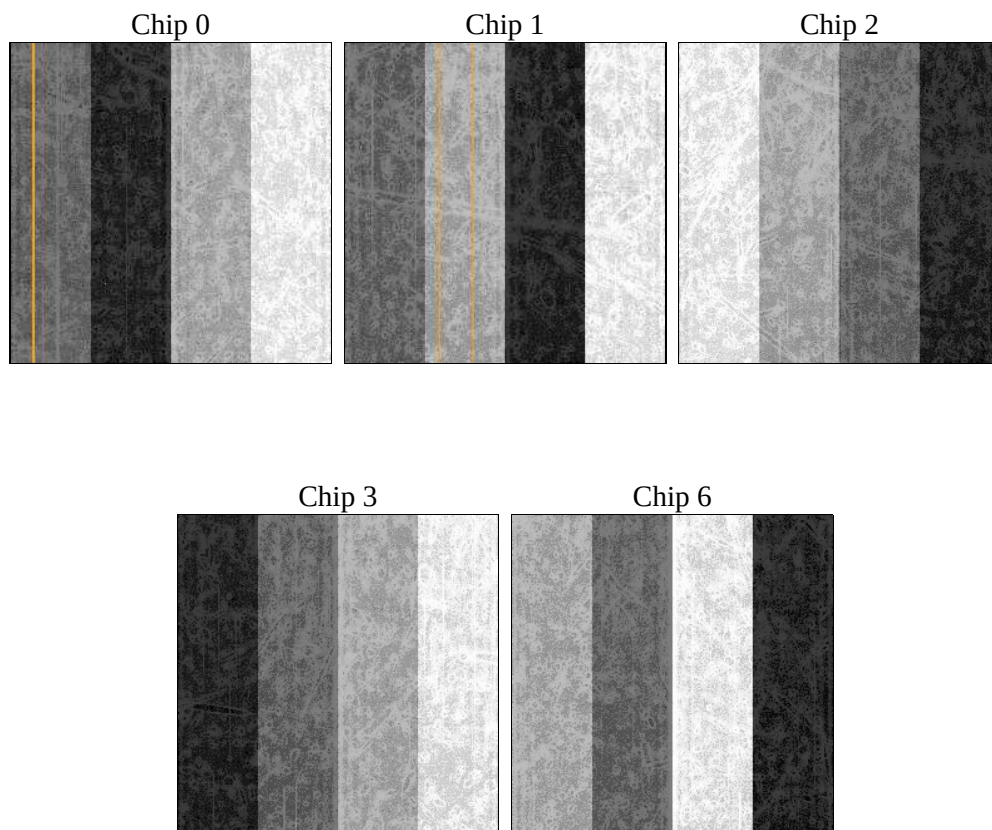
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30100.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	30175.400232196	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	30175.400232196	Sum of GTIs [s]
date	2015-06-05T15:04:18	Date and time of file creation	ontime1	30169.118151784	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	30175.400232196	Sum of GTIs [s]
			ontime3	30175.400232196	Sum of GTIs [s]
			ontime6	30169.11817193	Sum of GTIs [s]
			l1events	832591	Number of level 1 events

2.1.4 Events

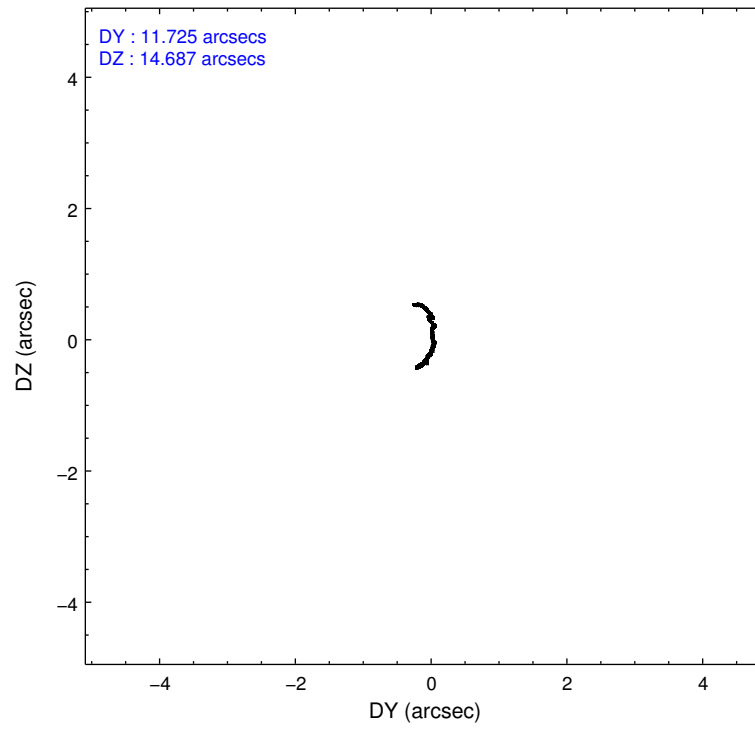
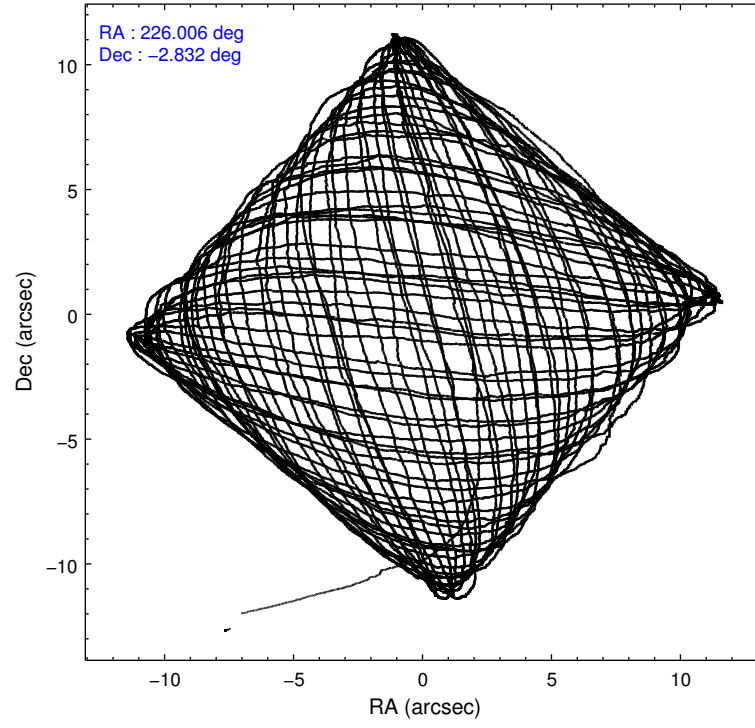
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	141174	144107	155720	234731	156859	grade 0 events	6261	7286	8017	69600	6361
rejected events	123061	123563	136054	138556	138152		4%	5%	5%	29%	4%
rejected %	87%	85%	87%	59%	88%	grade 1 events	108	87	96	461	75
							0%	0%	0%	0%	0%
						grade 2 events	4542	4877	4587	12007	4266
							3%	3%	2%	5%	2%
						grade 3 events	1840	2017	1791	4432	1913
							1%	1%	1%	1%	1%
						grade 4 events	1764	1957	1800	4384	1893
							1%	1%	1%	1%	1%
						grade 5 events	7093	7679	6696	8491	7884
							5%	5%	4%	3%	5%
						grade 6 events	3709	4410	3476	5767	4281
							2%	3%	2%	2%	2%
						grade 7 events	115857	115794	129257	129589	130186
							82%	80%	83%	55%	82%

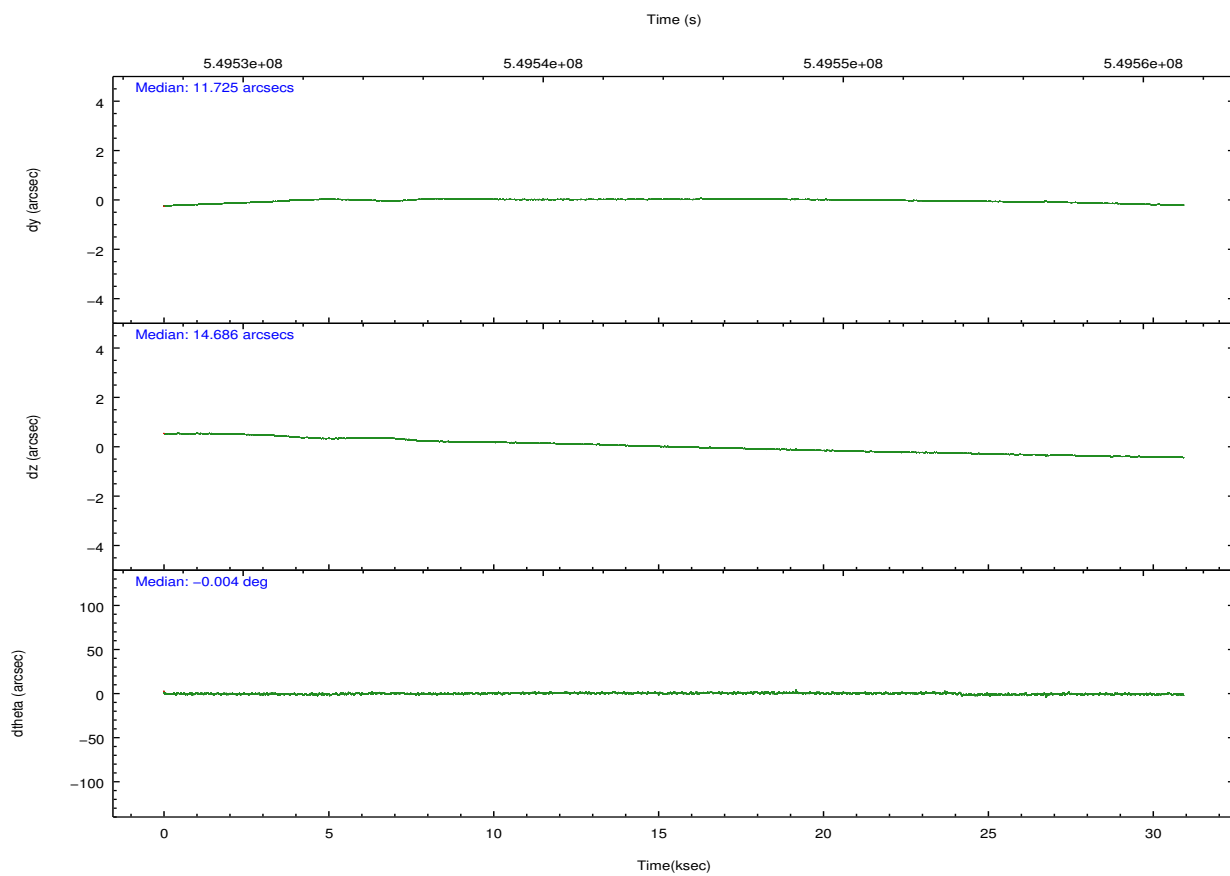
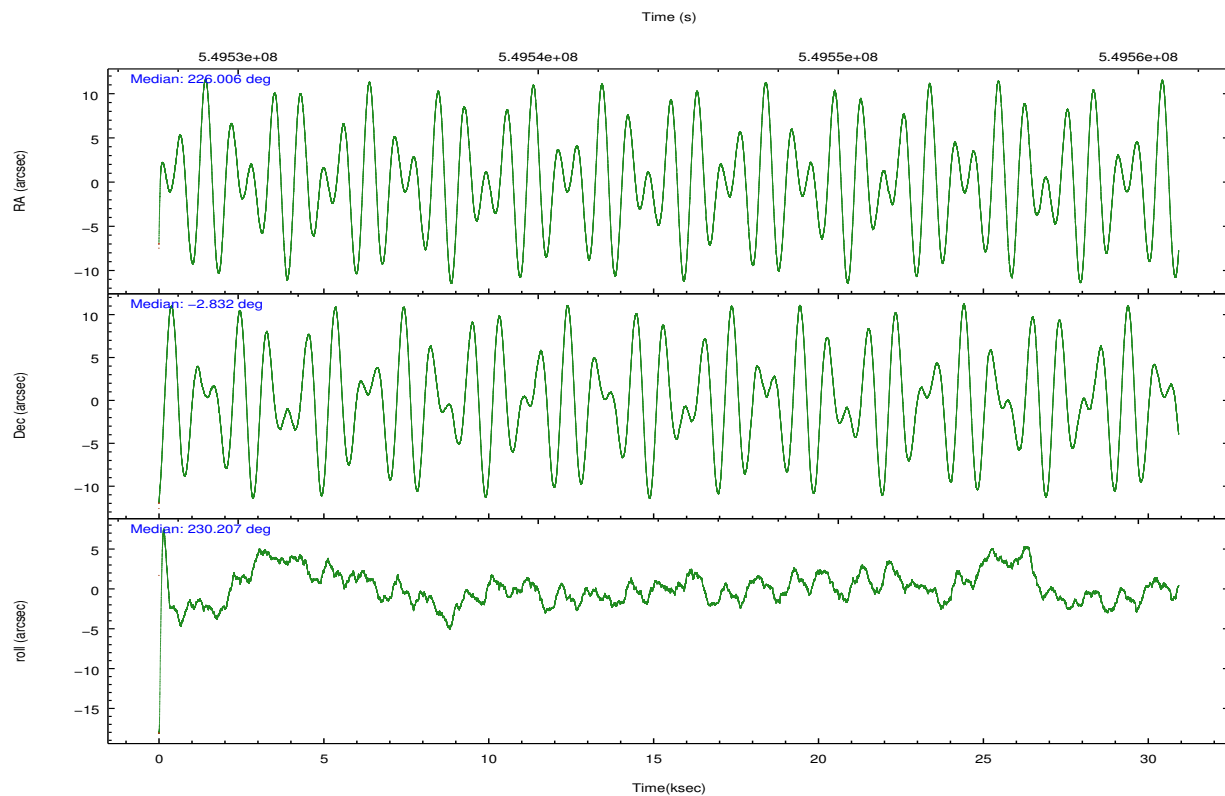
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	226.010229	226.0056193608972
[deg] Pointing Dec	-2.805098	-2.832308857402933
[deg] Pointing Roll	229.998971	230.2074176480405
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-227.592463	-227.5933067819097
[mm] SIM translation stage offset	-6	-5.999146221020027
[s] Observation start time (MET)	549529718.184000	549527854.73334
Observation start date	2015-06-01T07:07:31	2015-06-01T06:37:34
[s] Observation end time (MET)	549559818.184000	549560807.4601901
Observation end date	2015-06-01T15:29:11	2015-06-01T15:46:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



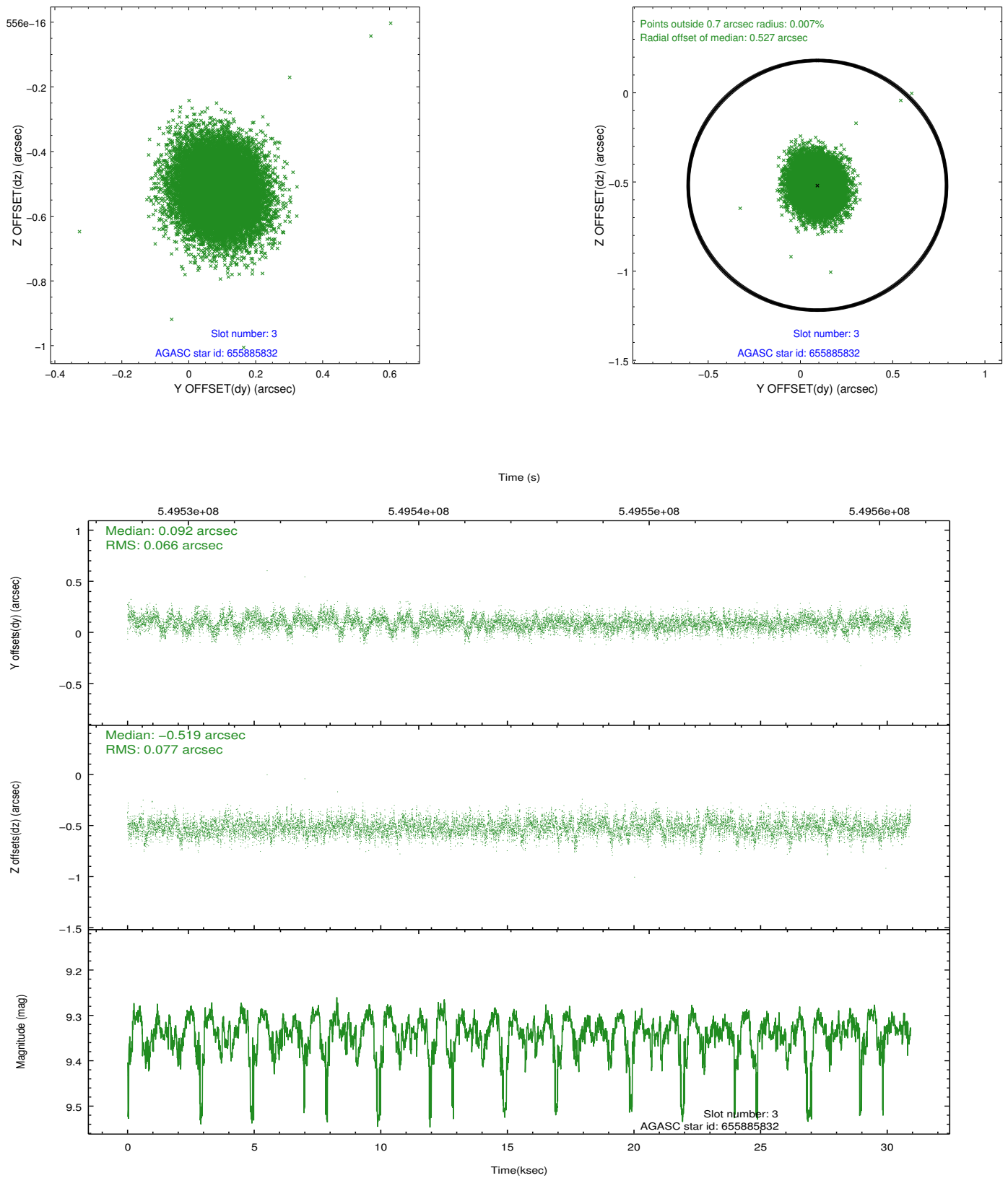


Slot Statistics

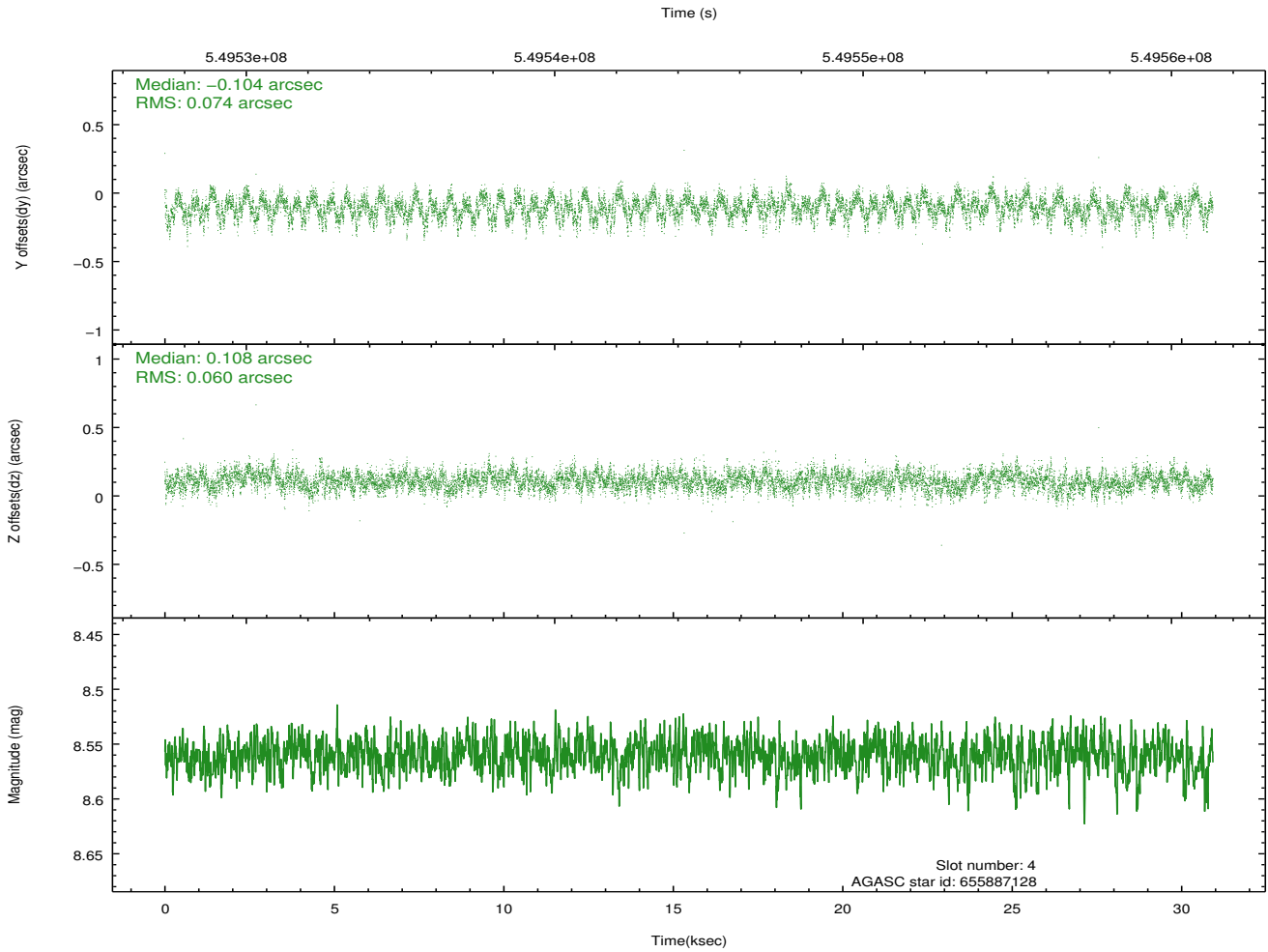
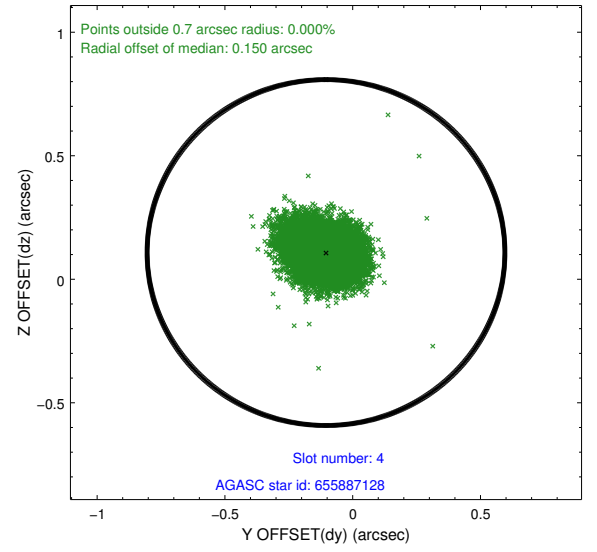
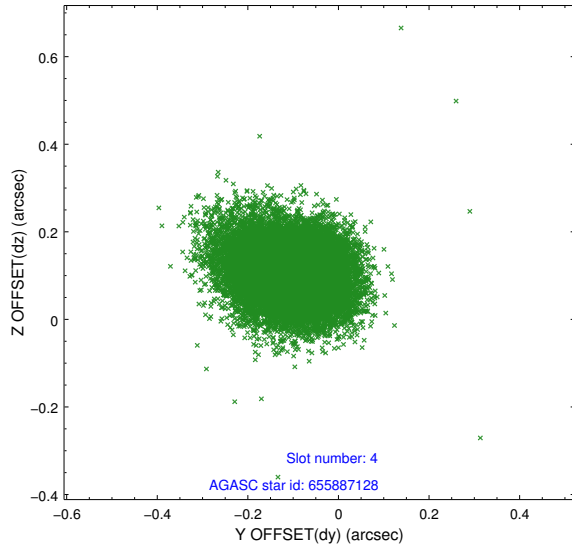
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.02	7543	-0.138	-0.107	0.012	0.020	0.000000	0.000000	-766.85	-967.13
1	FID		ACIS-I-4	7.00	7541	0.226	0.107	0.012	0.020	0.000000	0.000000	2147.46	939.25
2	FID		ACIS-I-5	7.07	7543	-0.191	0.069	0.017	0.030	0.000000	0.000000	-1820.38	936.26
3	GUIDE	used	655885832	9.34	15073	0.092	-0.519	0.108	0.175	226.255485	-2.527966	-1330.45	34.24
4	GUIDE	used	655887128	8.56	15080	-0.104	0.108	0.101	0.161	225.259962	-2.869697	1913.33	-1915.97
5	GUIDE	used	655891488	6.98	15084	-0.046	0.067	0.085	0.137	225.686953	-3.031386	1372.71	-366.57
6	GUIDE	used	655887400	8.88	15081	-0.054	0.127	0.106	0.165	225.974634	-2.124539	-1793.83	-1672.59
7	GUIDE	used	655888504	9.25	15070	0.126	0.216	0.102	0.168	226.393678	-2.410162	-1974.88	143.16

2.4 Star Slots

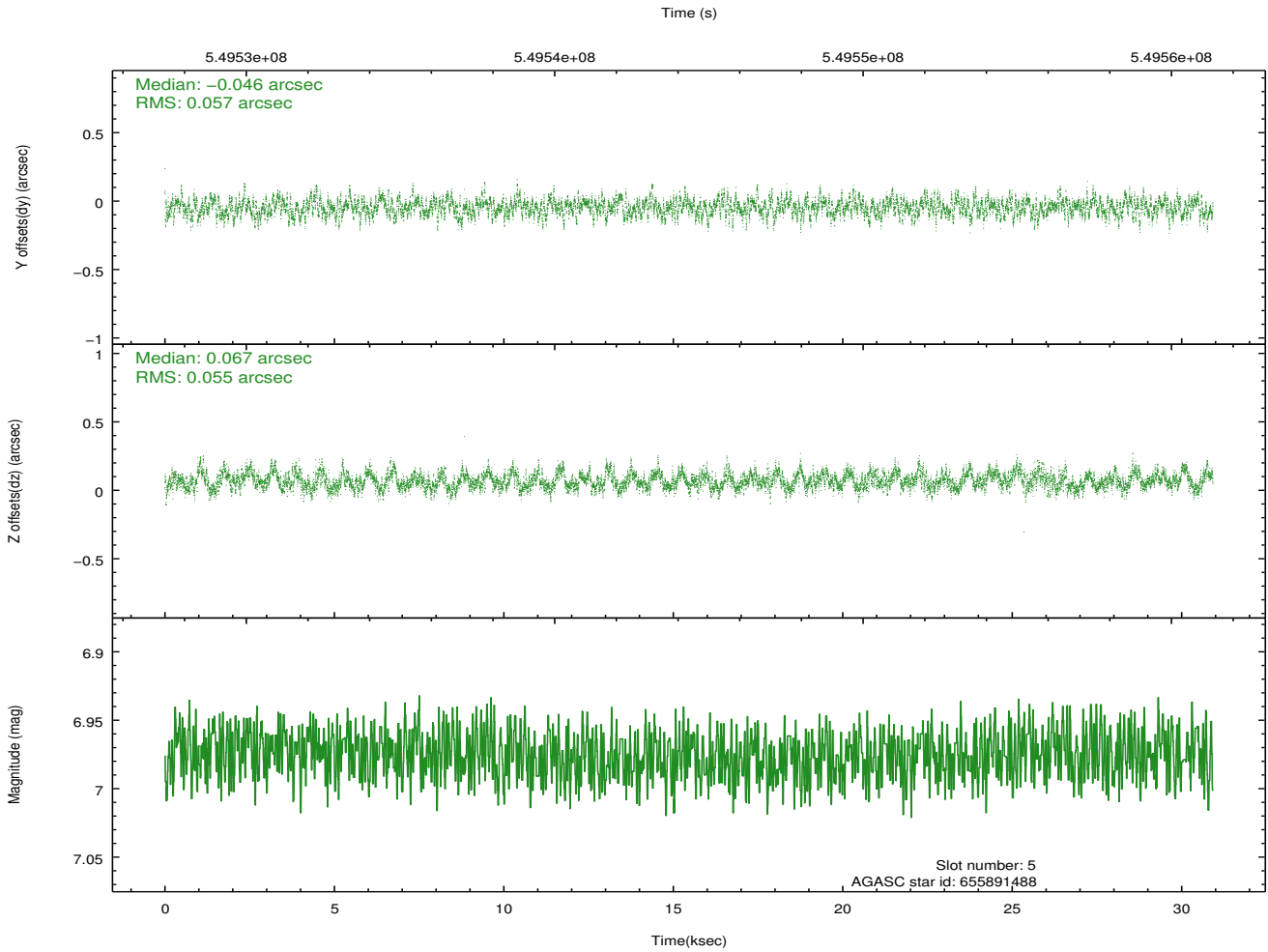
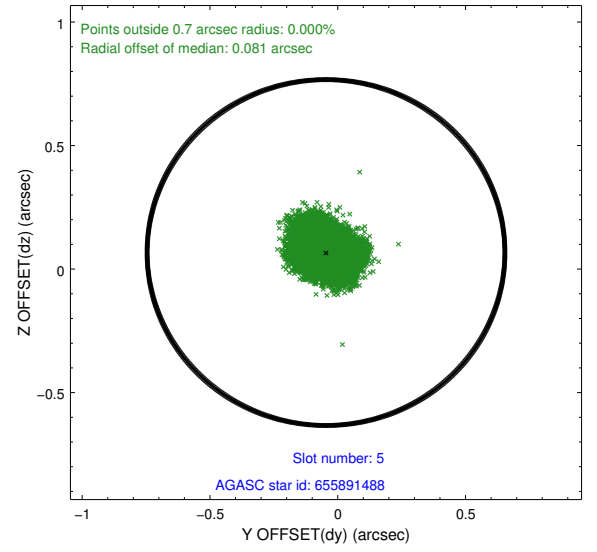
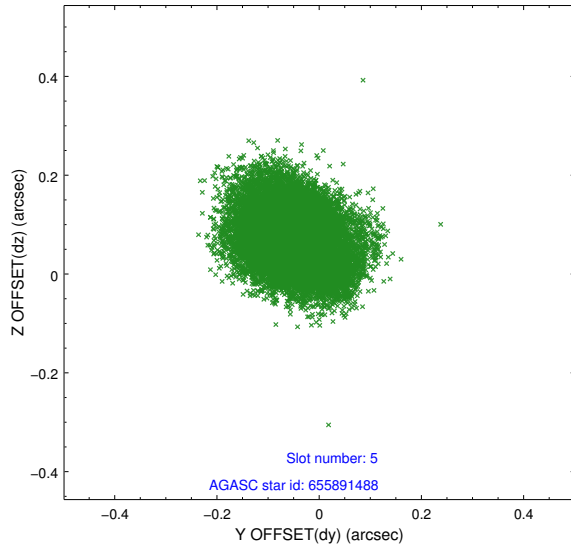
2.4.1 Slot 3



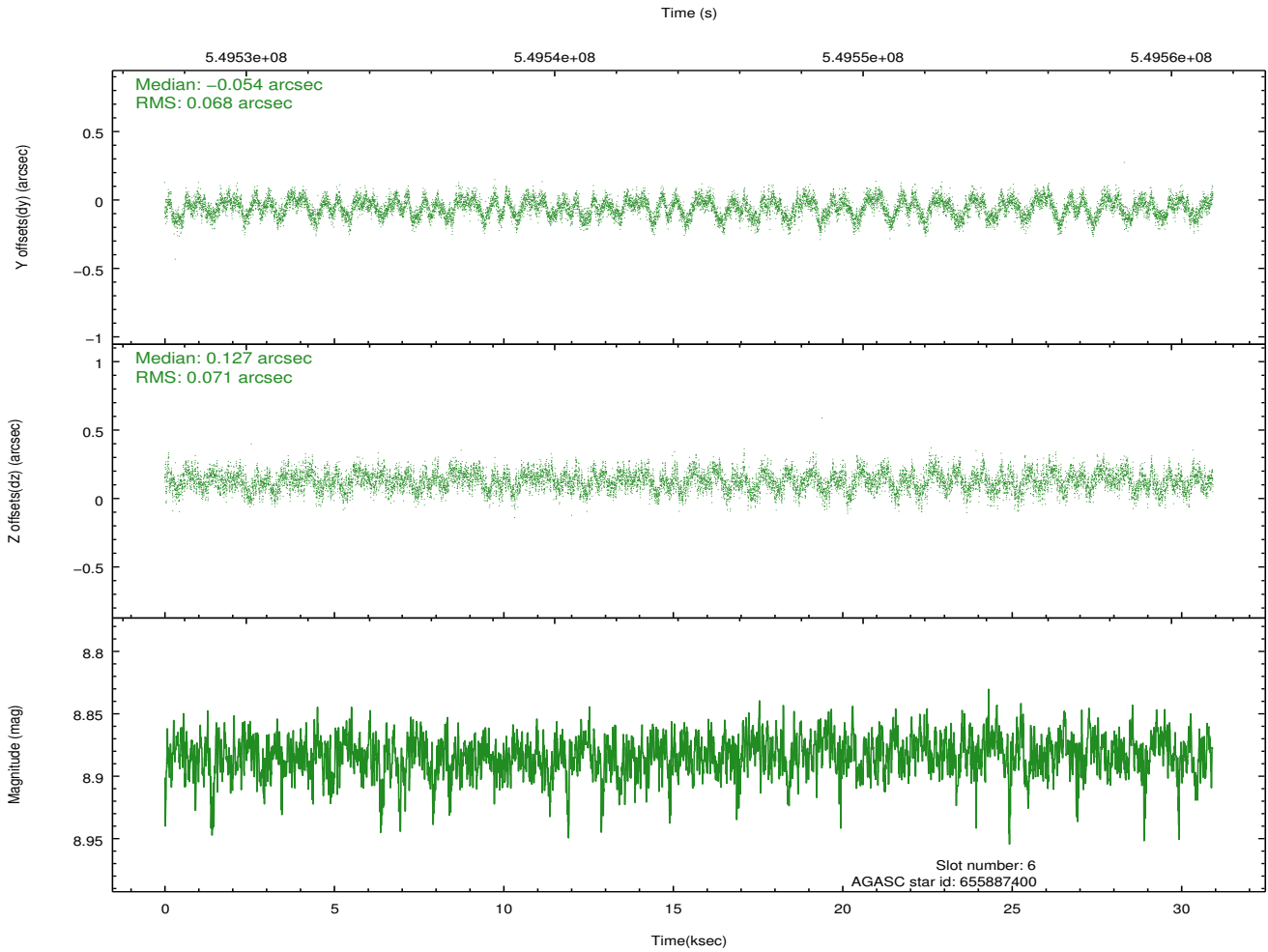
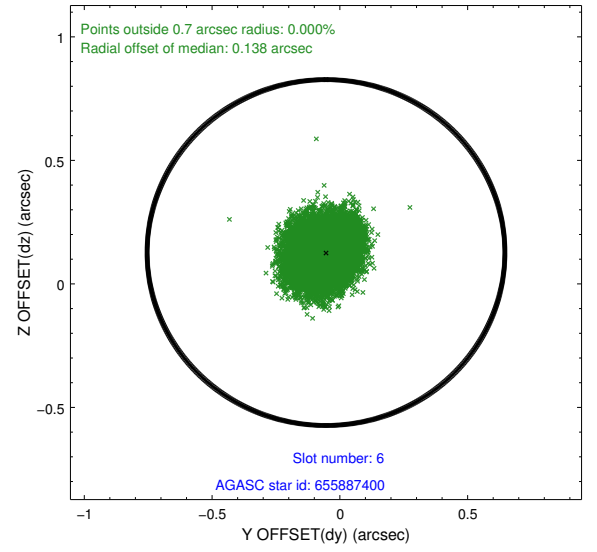
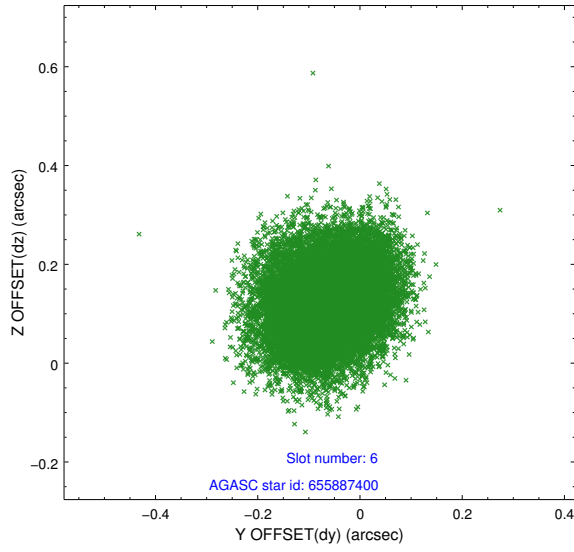
2.4.2 Slot 4



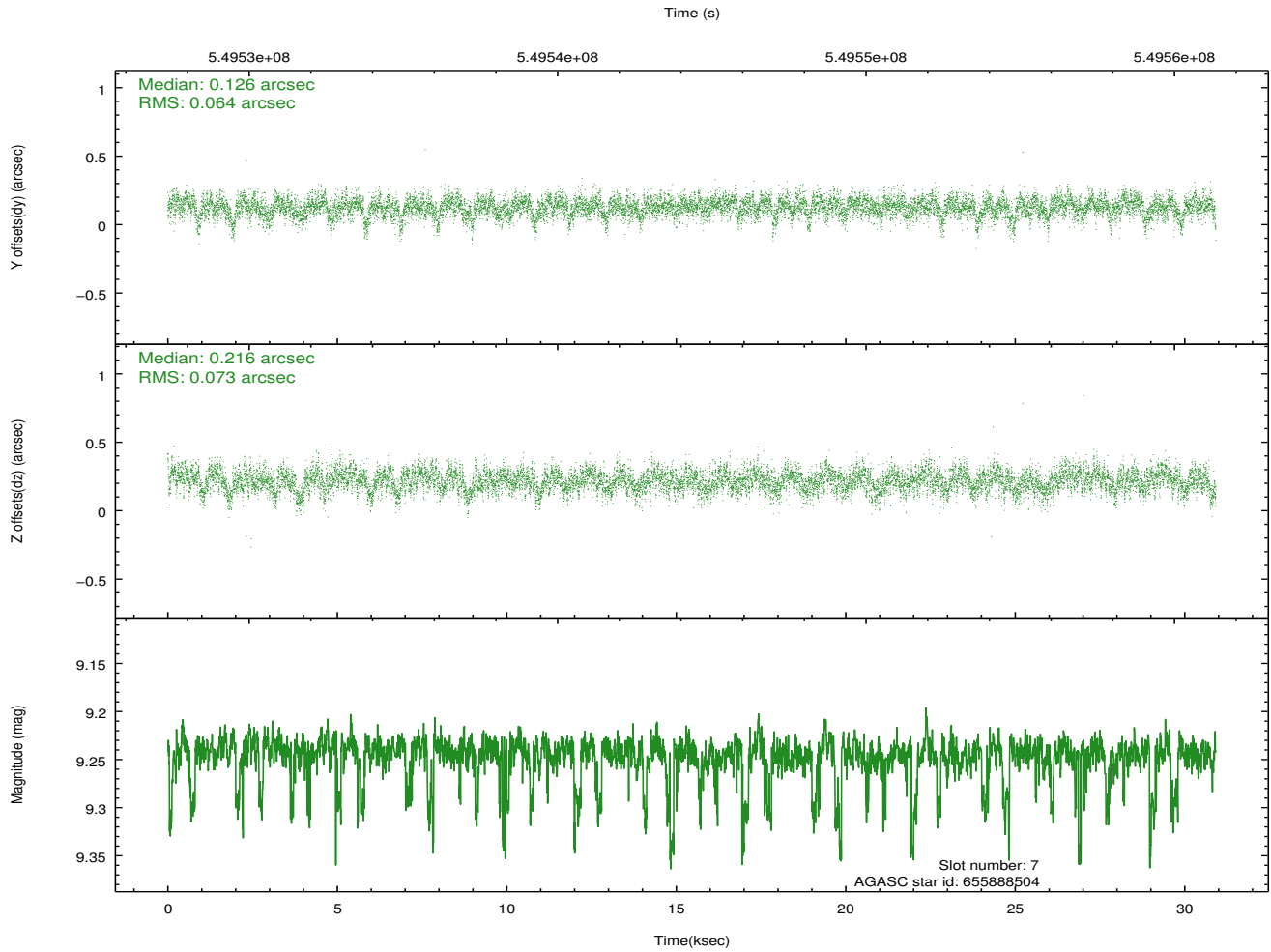
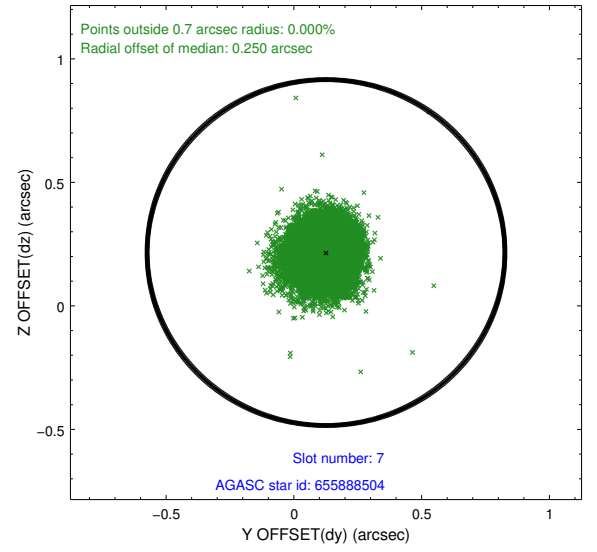
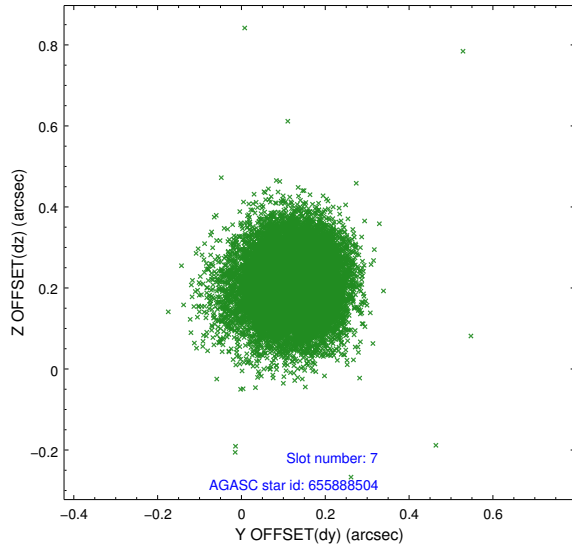
2.4.3 Slot 5



2.4.4 Slot 6

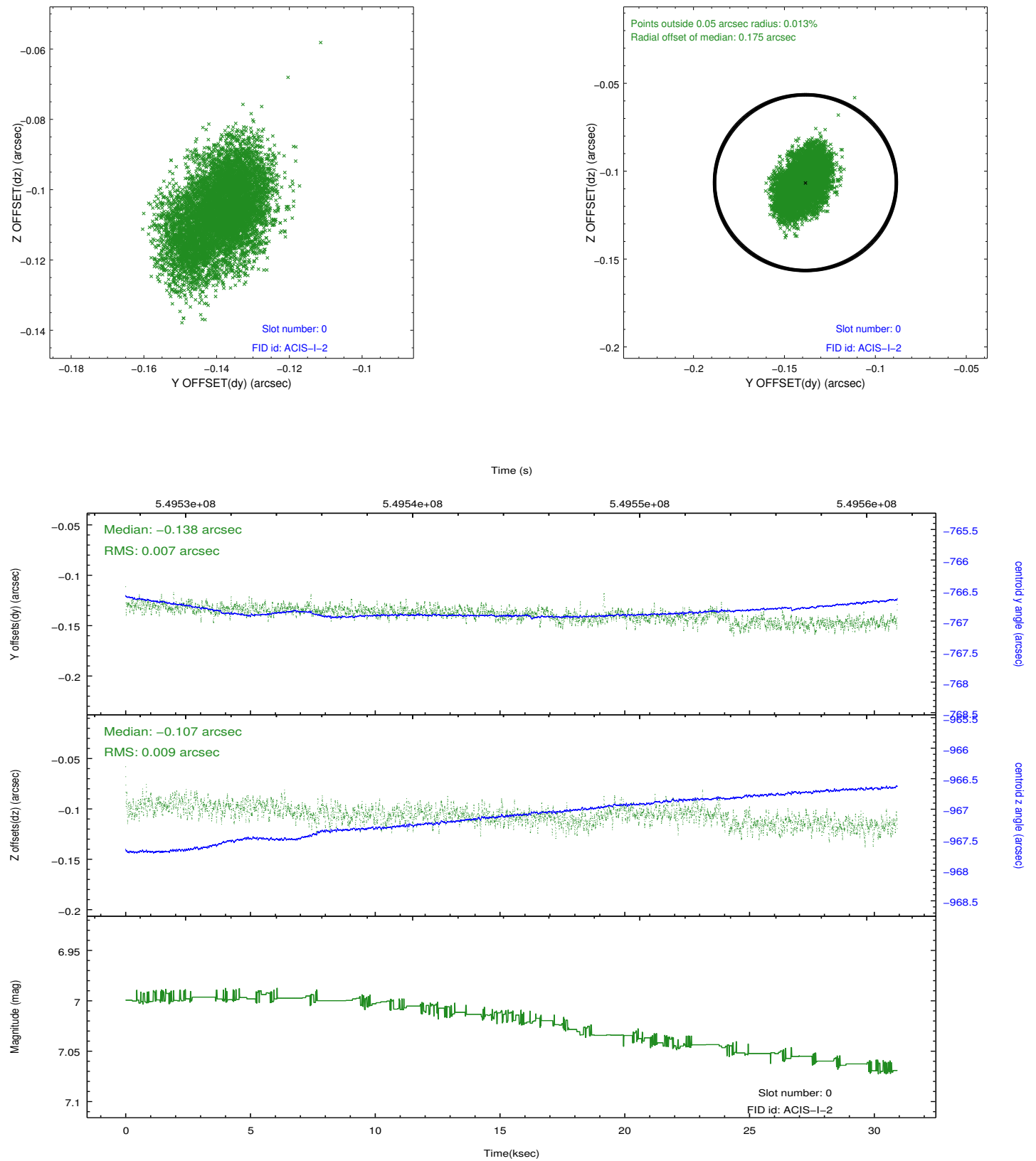


2.4.5 Slot 7

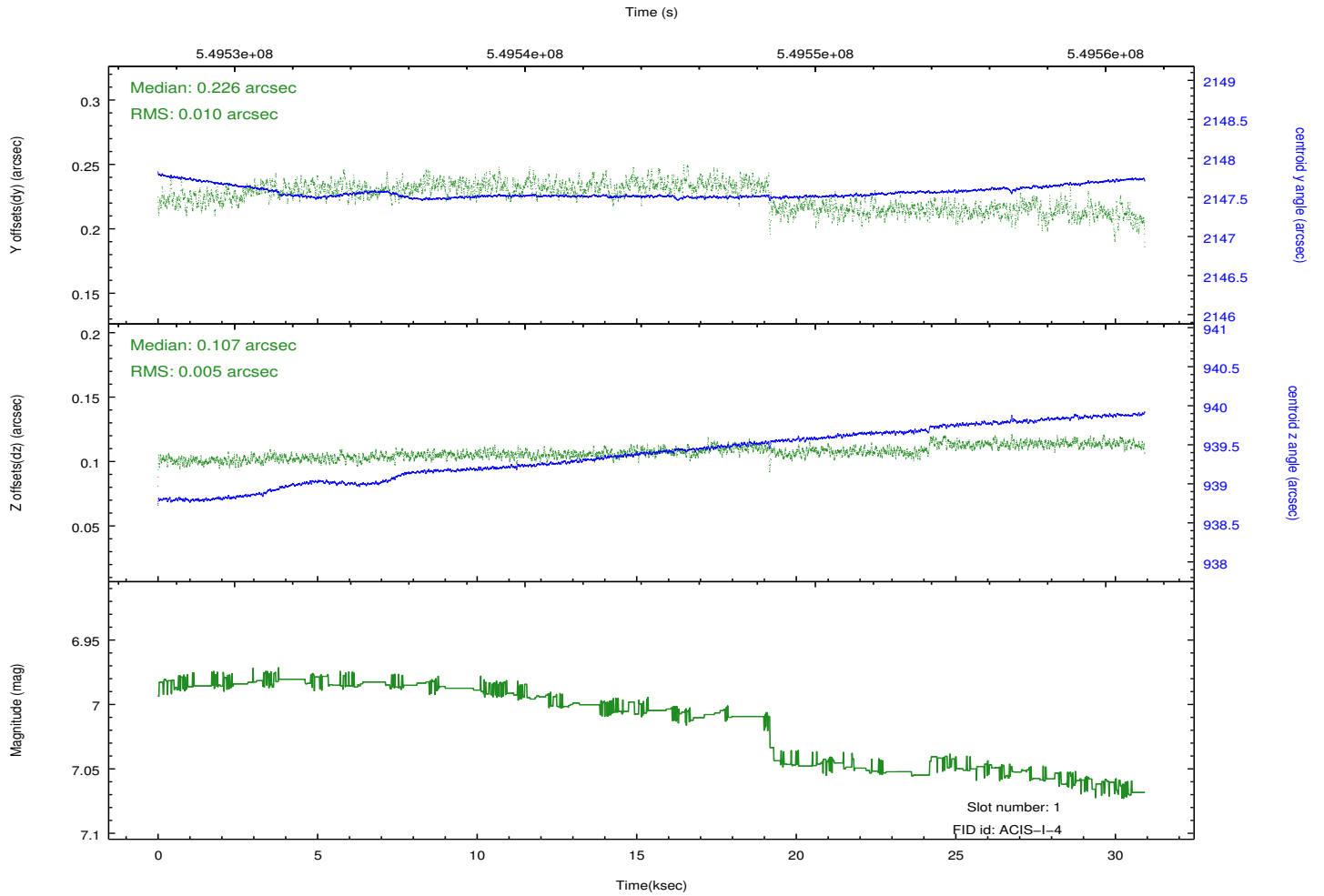
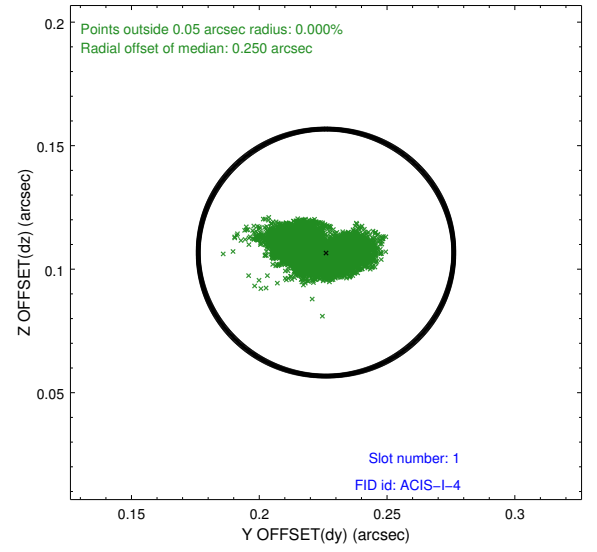
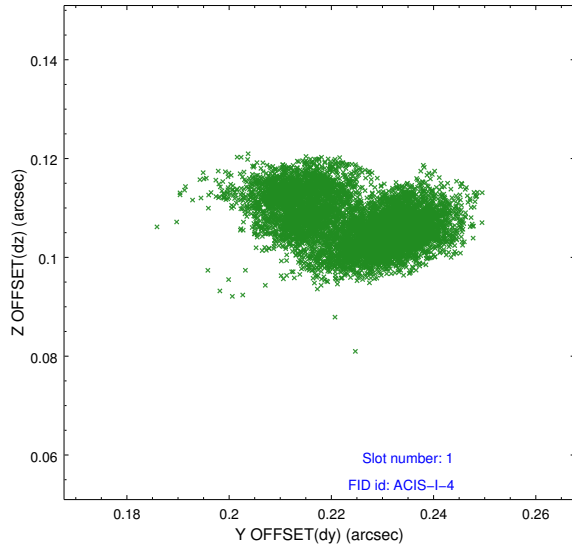


2.5 FID Slots

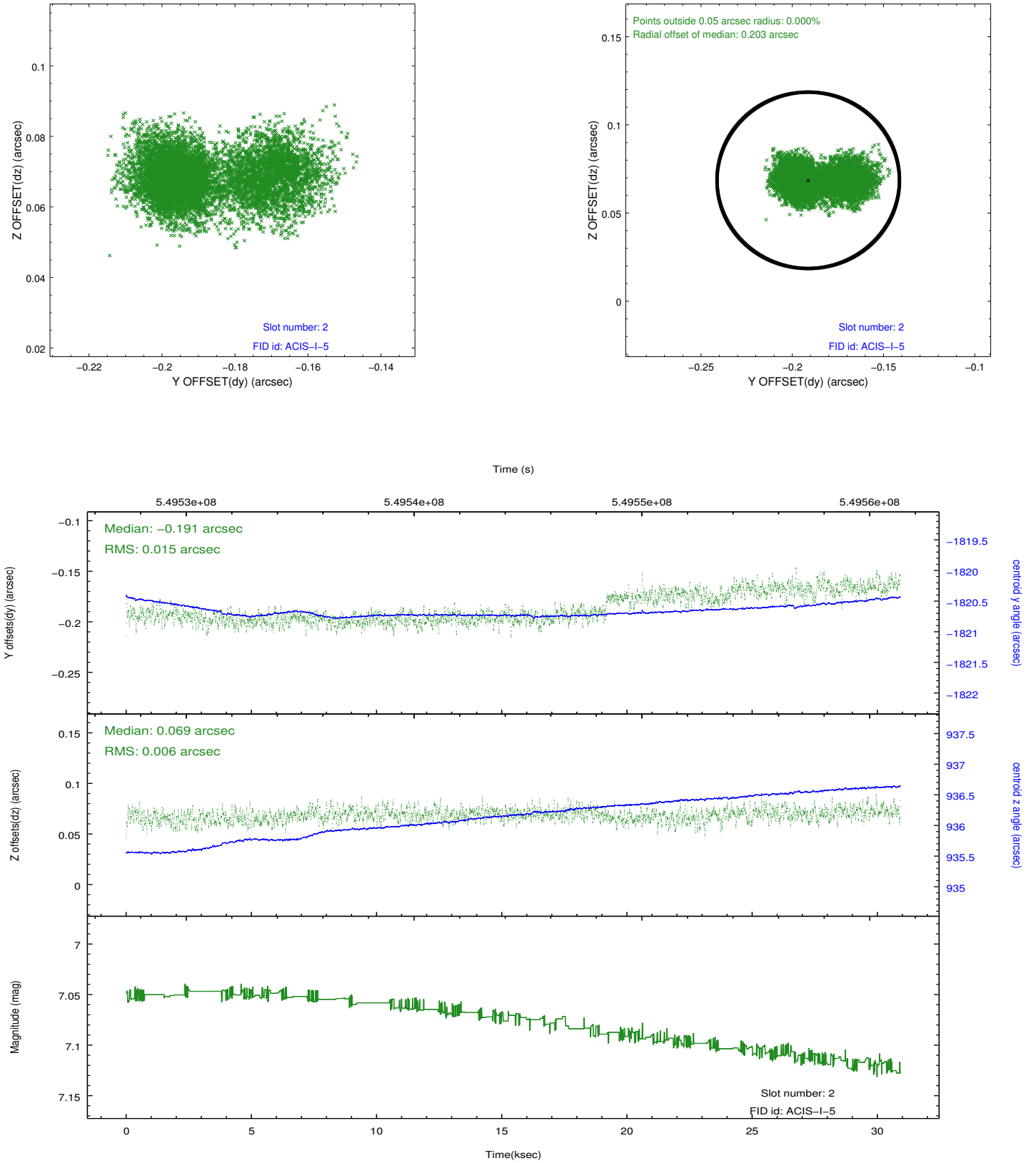
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.175400232196

A.2 Comments