

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16518 - L2 Version 1
Chandra X-Ray Center

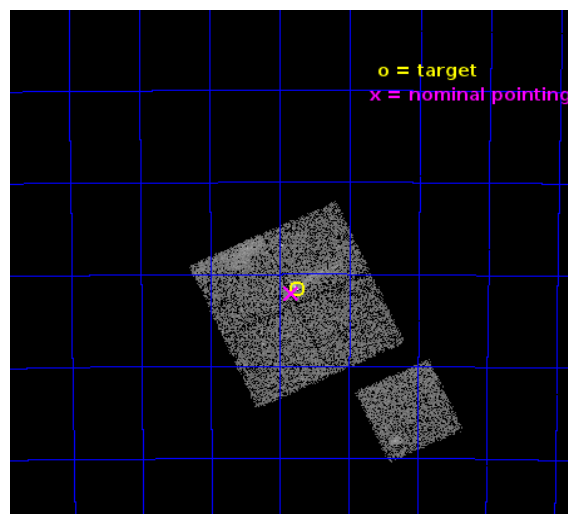
L2 Processing Date : Sep 29 2014

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1 Front

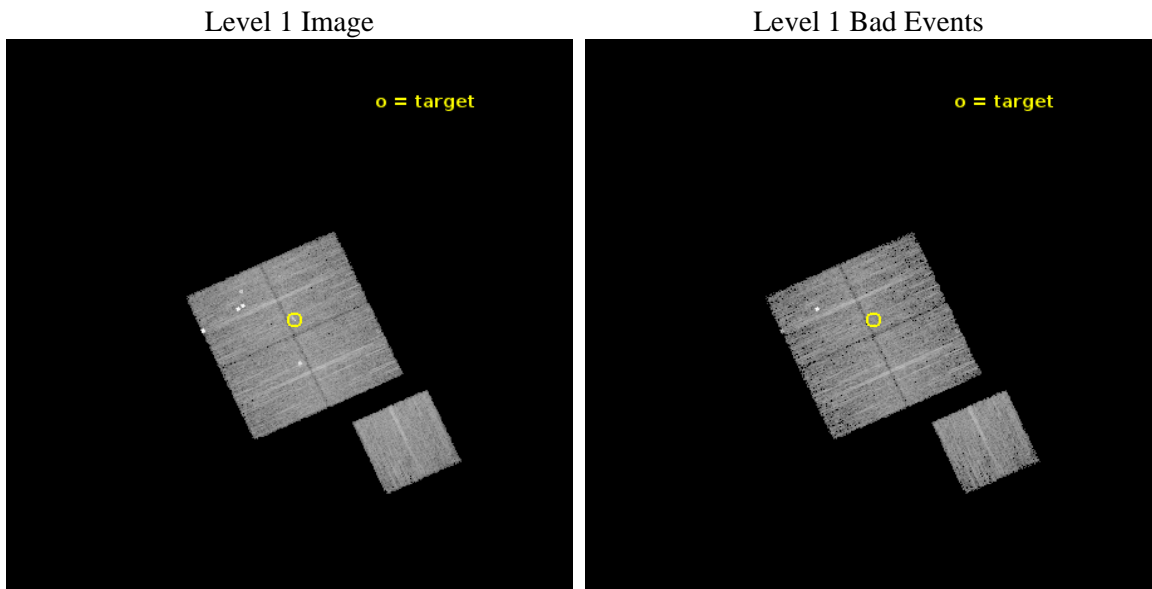
seq_num	502240	Sequence number
obs_id	16518	Observation id
title	DEEP STUDY OF THE 20PC-LONG PRECESSING JET IN IGR J11014-6103	Prop
observer	Dr Lucia Pavan	Principal investigator
object	IGR J11014-6103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.4375	Observer's specified target RA [deg]
dec_targ	-61.027667	Observer's specified target Dec [deg]
ra_nom	165.45821295299	Nominal RA [deg]
dec_nom	-61.035027685741	Nominal Dec [deg]
roll_nom	155.22679815924	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10084.300077558	Sum of GTIs [s]
livetime	9952.5412730906	Livetime [s]
ontime0	10084.300077558	Sum of GTIs [s]
ontime1	10084.300077558	Sum of GTIs [s]
ontime2	10081.159087181	Sum of GTIs [s]
ontime3	10084.300077558	Sum of GTIs [s]
ontime6	10084.300077558	Sum of GTIs [s]
l2events	30906	Number of level 2 events



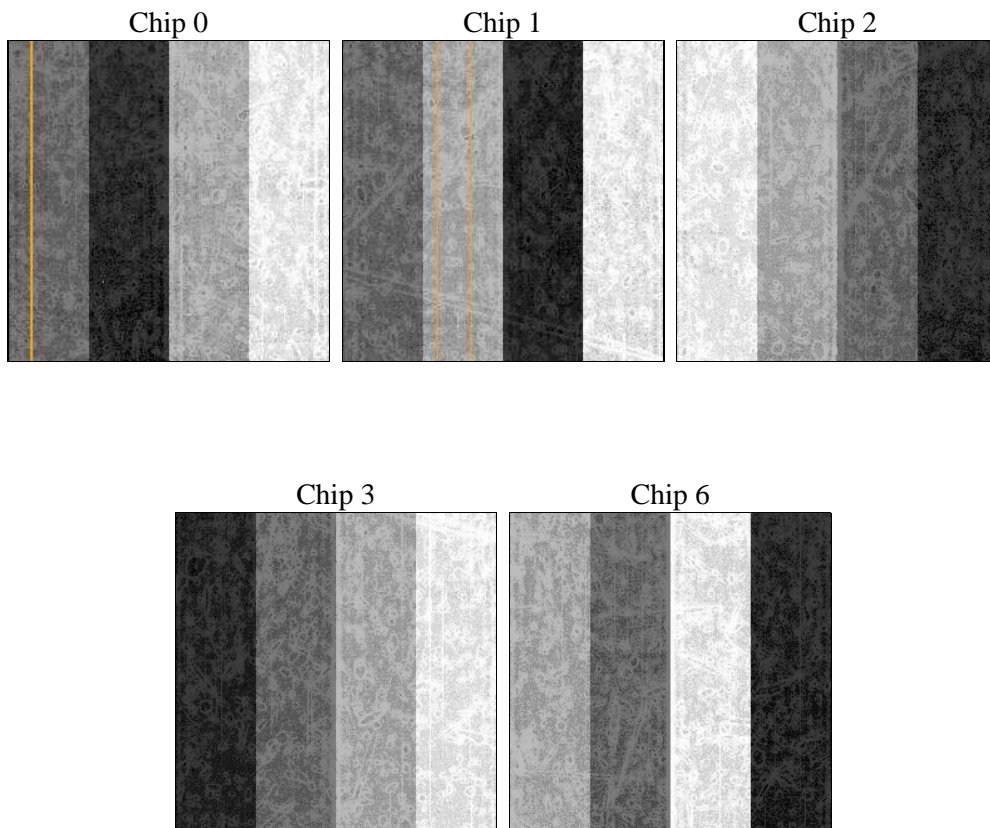
2 OBI

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	10.2.4	Processing system revision	ontime	10084.300077558	Sum of GTIs [s]
caldbver	4.6.3	 	ontime0	10084.300077558	Sum of GTIs [s]
date	2014-09-29T18:05:38	Date and time of file creation	ontime1	10084.300077558	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10081.159087181	Sum of GTIs [s]
			ontime3	10084.300077558	Sum of GTIs [s]
			ontime6	10084.300077558	Sum of GTIs [s]
			l1events	266799	Number of level 1 events

2.1.4 Events

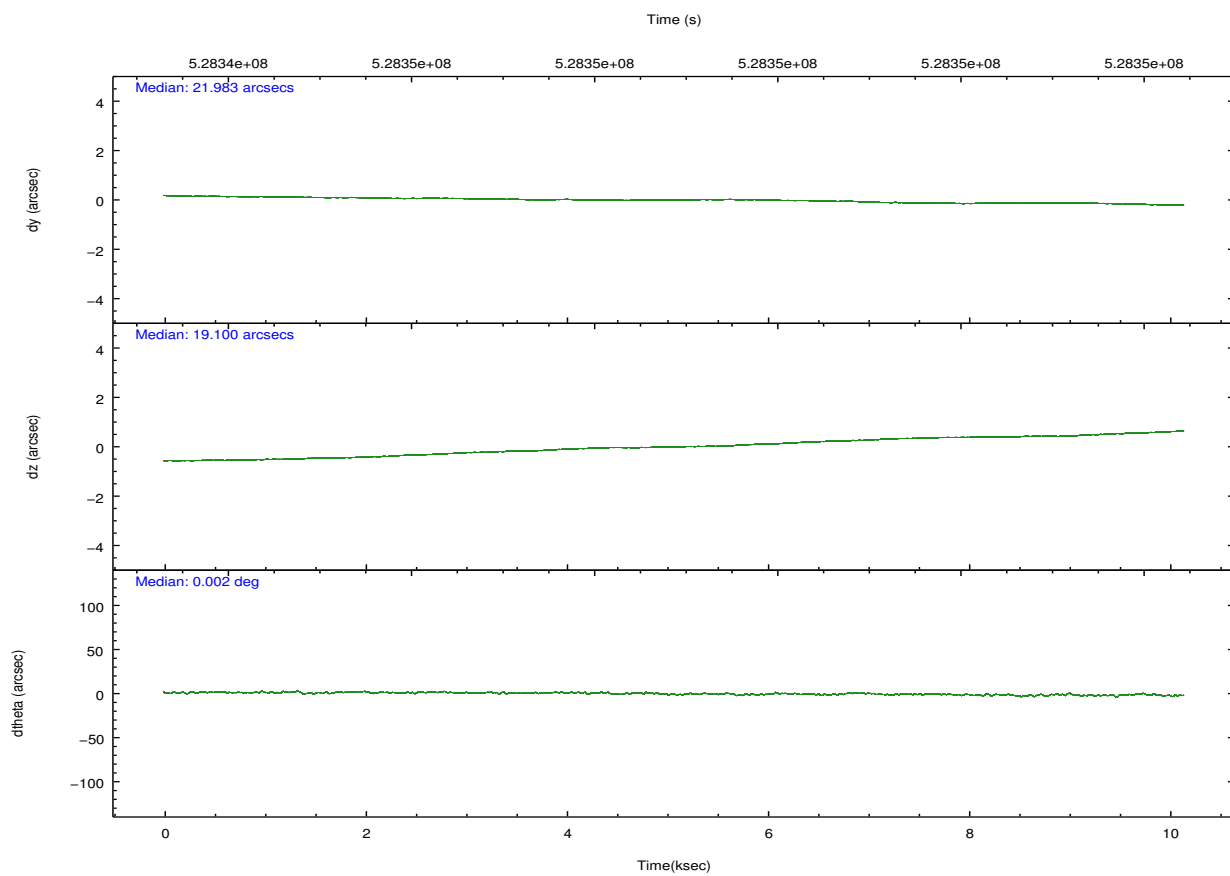
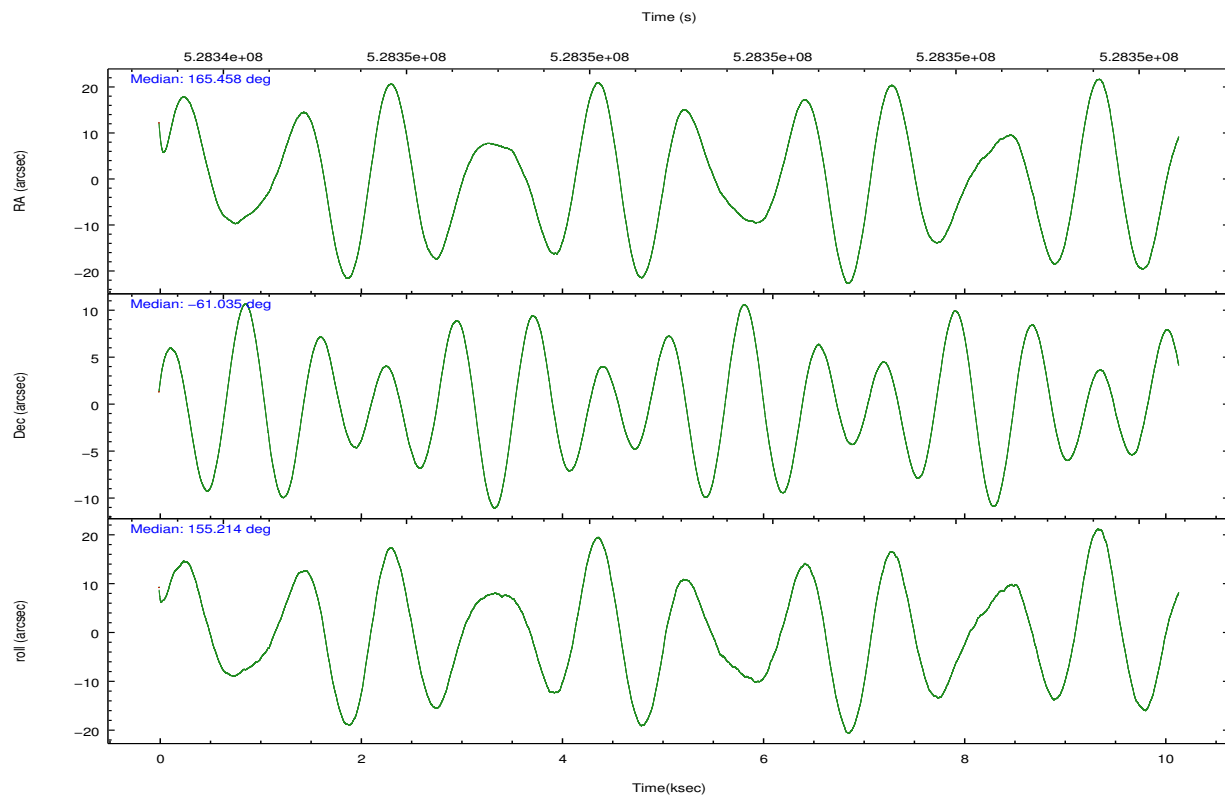
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	48433	61432	52433	51164	53337
rejected events	40124	46318	46012	43638	46725
rejected %	82%	75%	87%	85%	87%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3759	7294	2470	3672	2425
	7%	11%	4%	7%	4%
grade 1 events	41	3154	21	51	30
	0%	5%	0%	0%	0%
grade 2 events	1808	1870	1555	1333	1446
	3%	3%	2%	2%	2%
grade 3 events	717	2499	595	611	653
	1%	4%	1%	1%	1%
grade 4 events	689	1965	591	688	621
	1%	3%	1%	1%	1%
grade 5 events	2396	2628	2233	2760	2620
	4%	4%	4%	5%	4%
grade 6 events	1339	1493	1213	1223	1469
	2%	2%	2%	2%	2%
grade 7 events	37684	40529	43755	40826	44073
	77%	65%	83%	79%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	165.514903	165.4582129529895	CCD I2 on	Y	Y
[deg] Pointing Dec	-61.032433	-61.03502768574069	CCD I3 on	Y	Y
[deg] Pointing Roll	155.067714	155.2267981592396	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-239.592463	-239.5815621397477	CCD S3 on	N	N
[mm] SIM translation stage offset	6	5.98910913681803	CCD S4 on	N	N
[s] Observation start time (MET)	528343936.184000	528342698.96282	CCD S5 on	N	N
Observation start date	2014-09-29T02:11:09	2014-09-29T01:51:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	528353936.184000	528354770.90099	On-chip summing requested	N	N
Observation end date	2014-09-29T04:57:49	2014-09-29T05:12:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

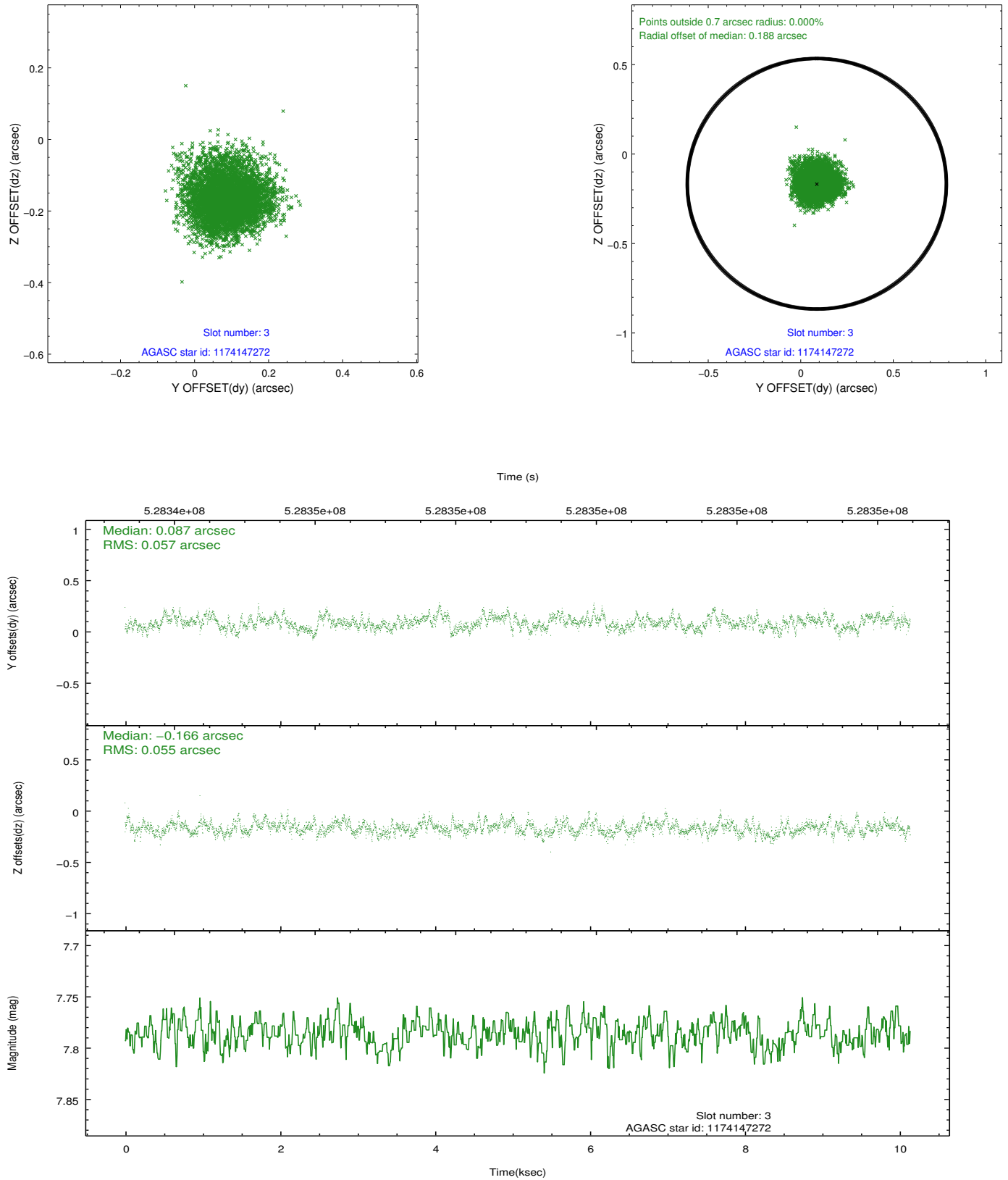


Slot Statistics

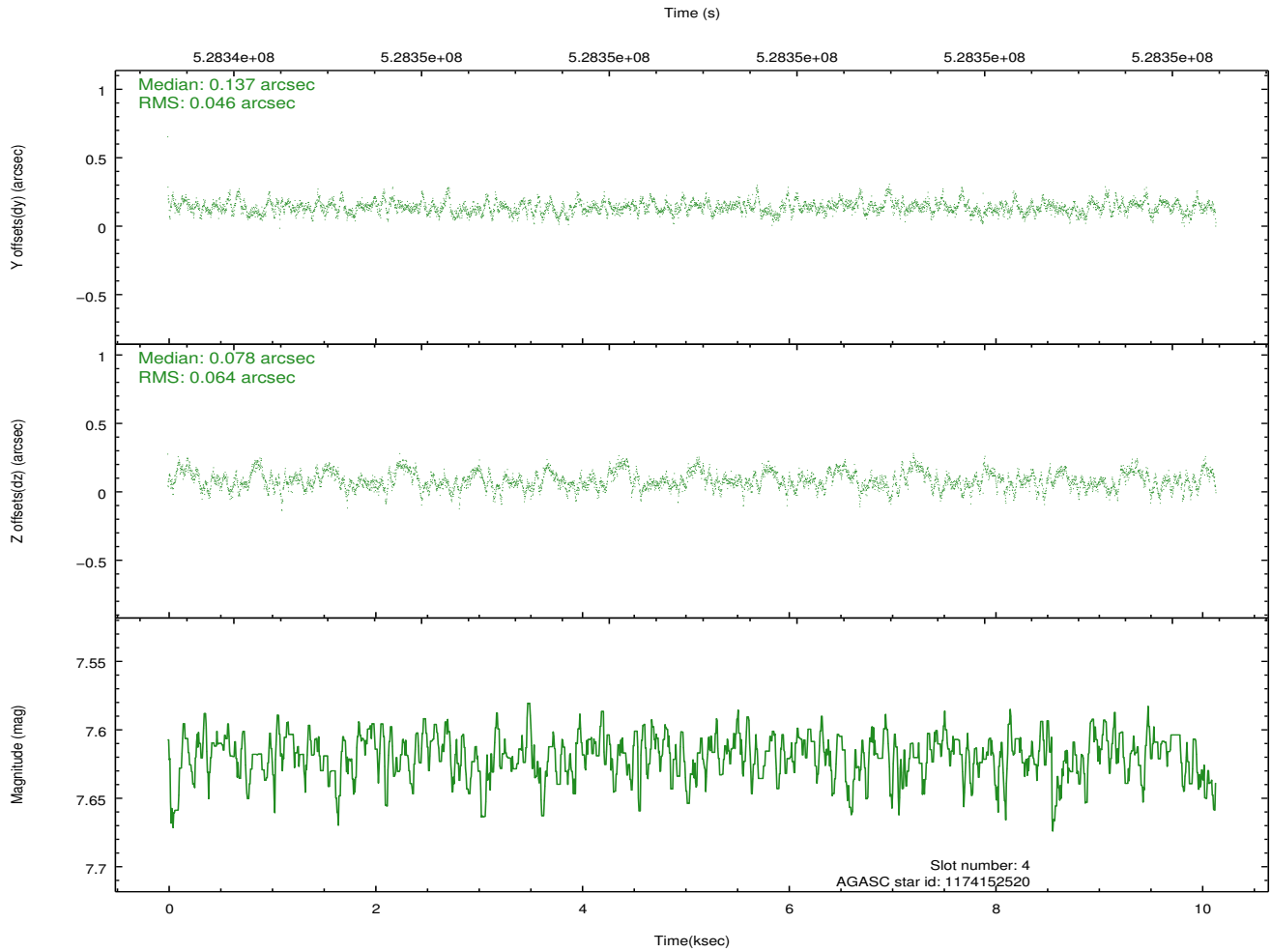
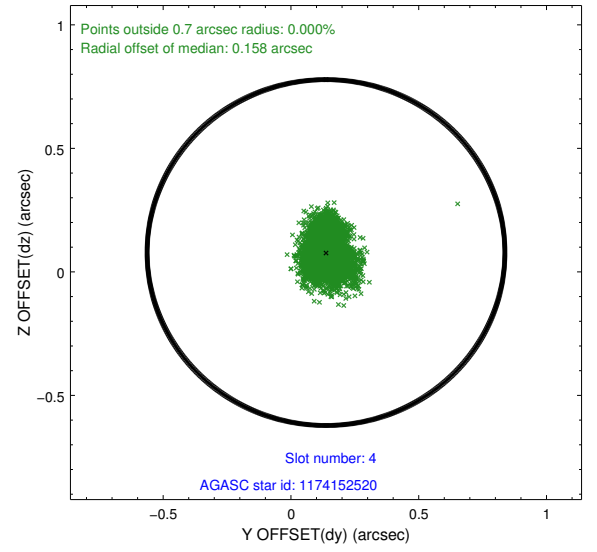
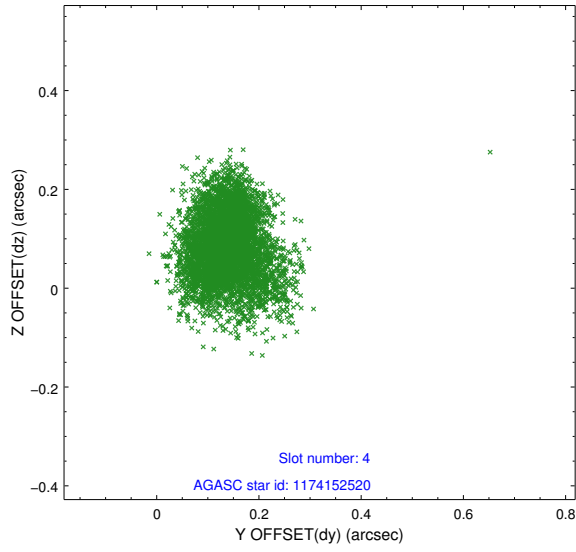
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.18	2474	-0.092	0.088	0.026	0.038	0.000000	0.000000	917.27	-719.64
1	FID	ACIS-I-4	7.12	2474	0.220	-0.003	0.017	0.027	0.000000	0.000000	2138.38	1179.02
2	FID	ACIS-I-6	7.12	2473	-0.225	-0.020	0.016	0.023	0.000000	0.000000	383.88	1822.65
3	GUIDE	1174147272	7.79	4947	0.087	-0.166	0.085	0.134	165.413771	-61.562087	-646.66	1802.26
4	GUIDE	1174152520	7.62	4948	0.137	0.078	0.084	0.140	165.769535	-60.824851	-90.07	-864.52
5	GUIDE	1174156832	7.07	4948	-0.160	0.064	0.089	0.139	166.121036	-61.488309	-1638.29	1053.66
6	GUIDE	1174178176	8.06	4948	-0.019	-0.035	0.101	0.159	165.154949	-60.304034	1687.26	-2104.84
7	GUIDE	1174178136	7.87	4947	-0.049	0.049	0.097	0.148	165.224552	-60.325480	1542.72	-2088.44

2.4 Star Slots

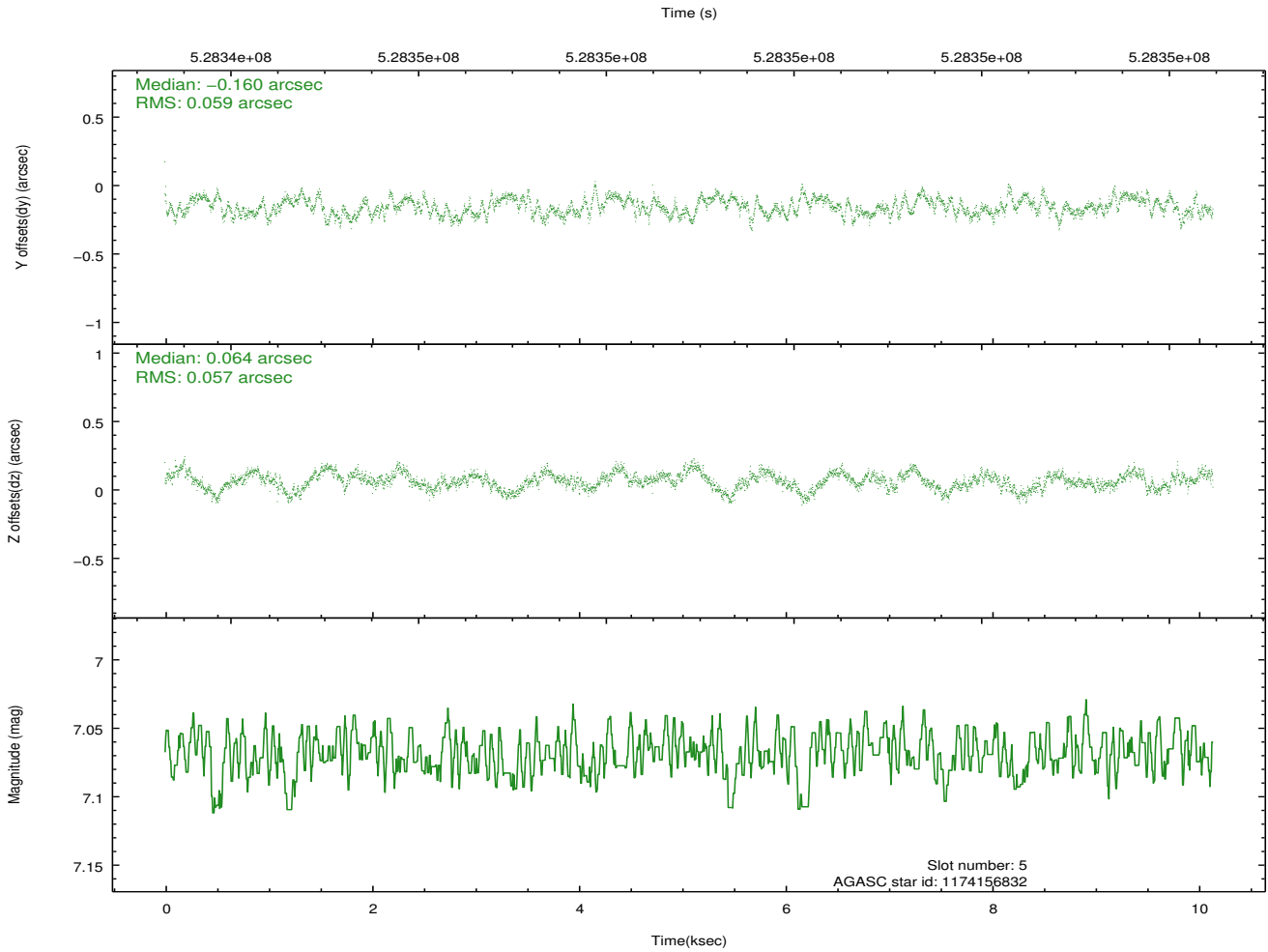
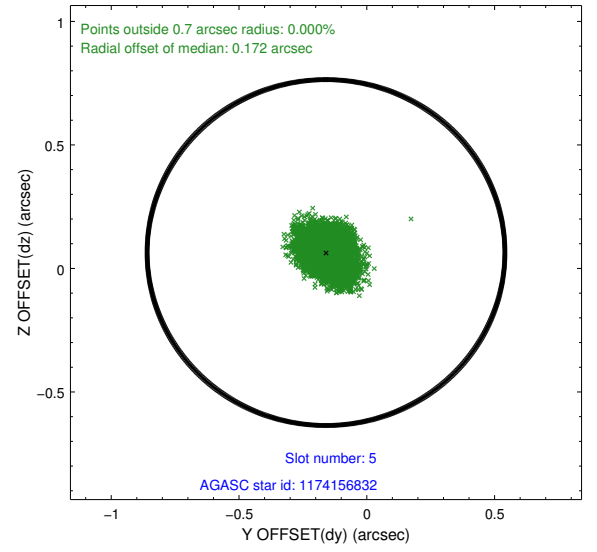
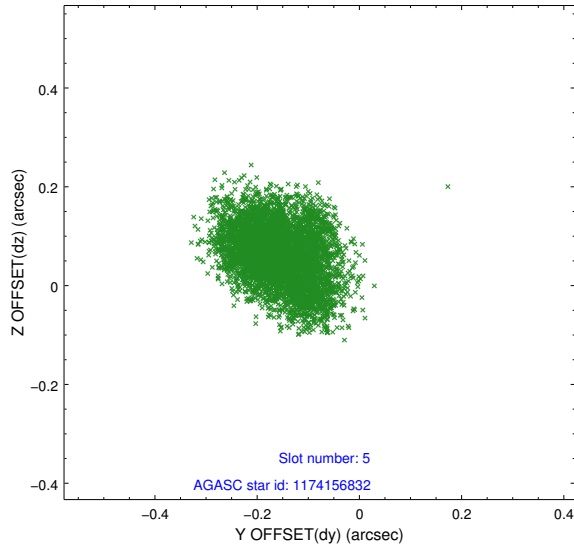
2.4.1 Slot 3



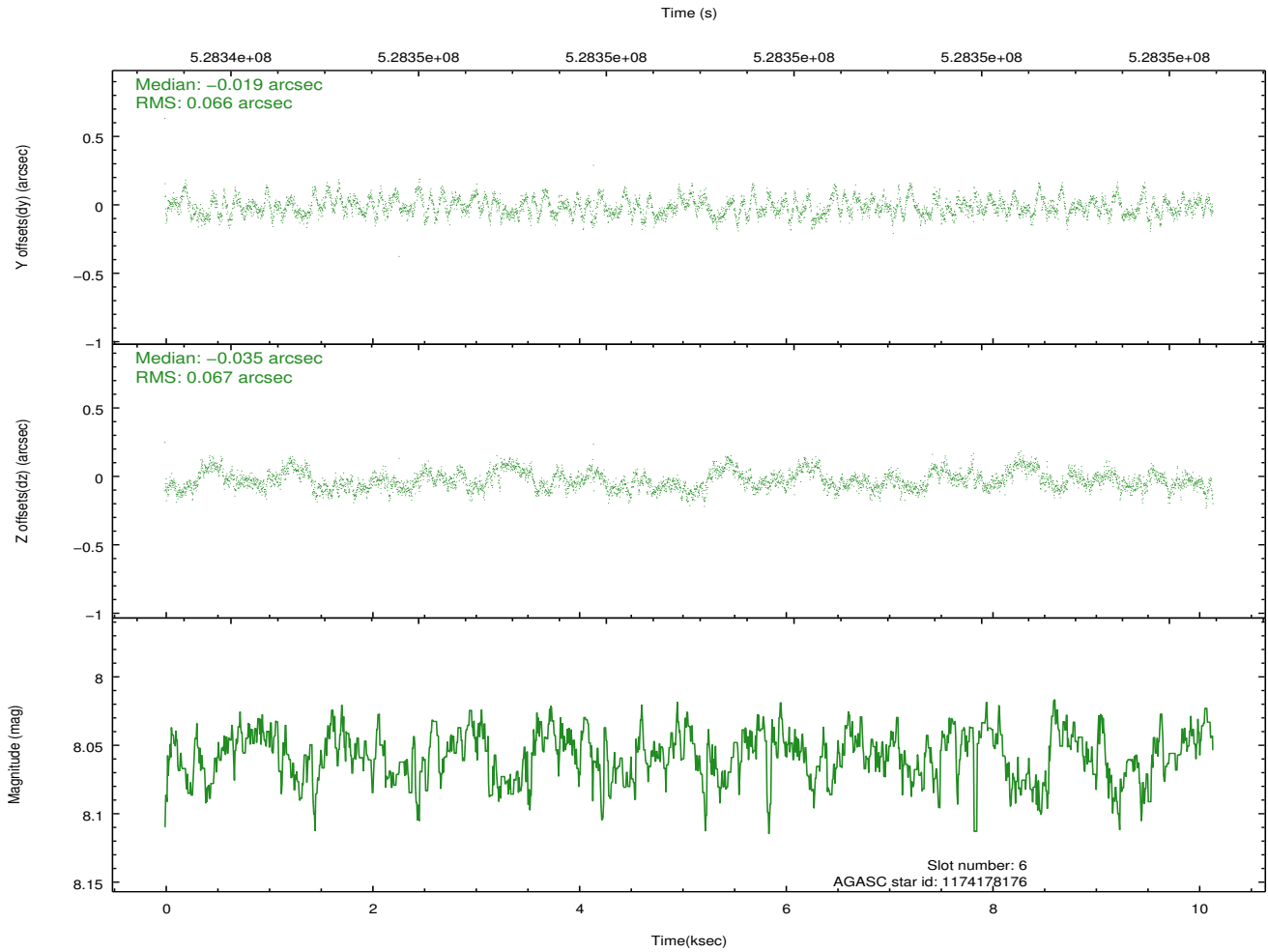
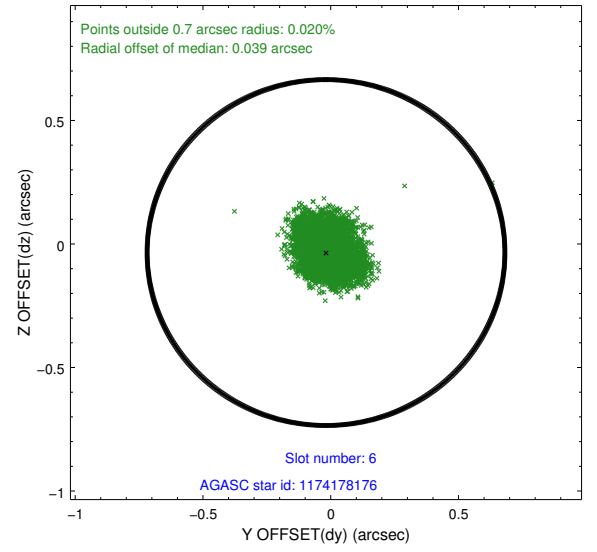
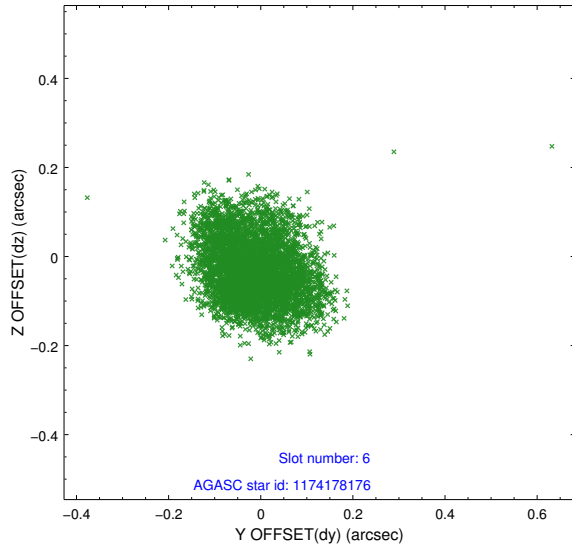
2.4.2 Slot 4



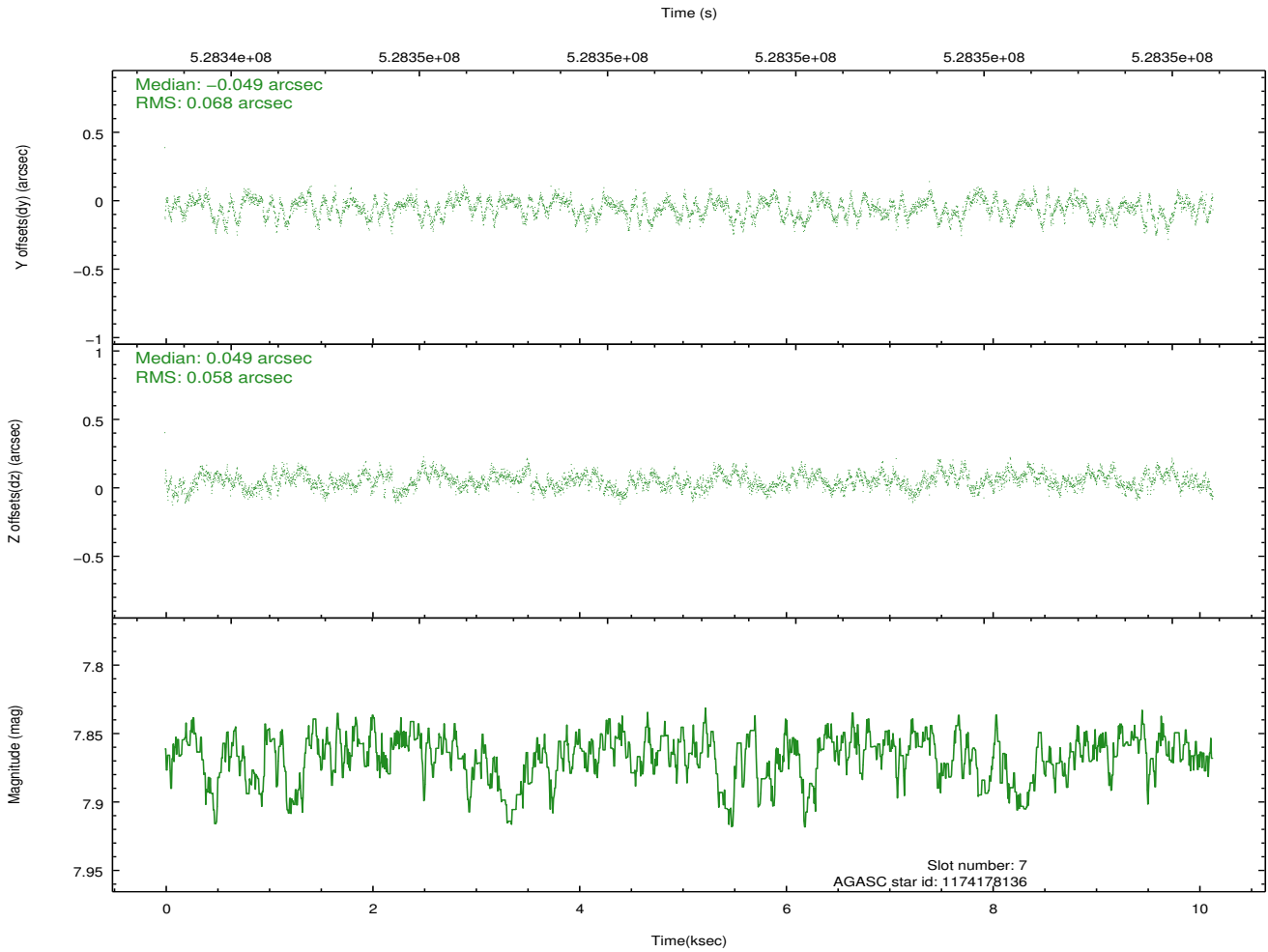
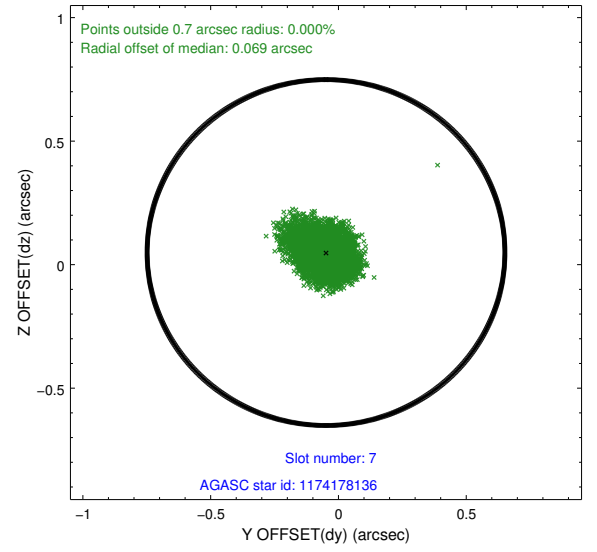
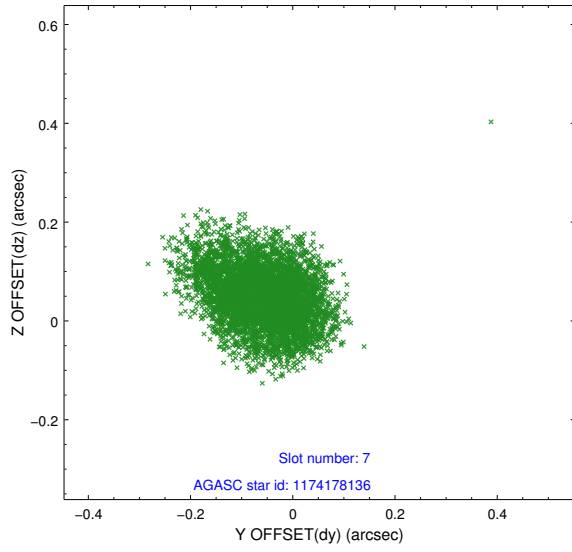
2.4.3 Slot 5



2.4.4 Slot 6

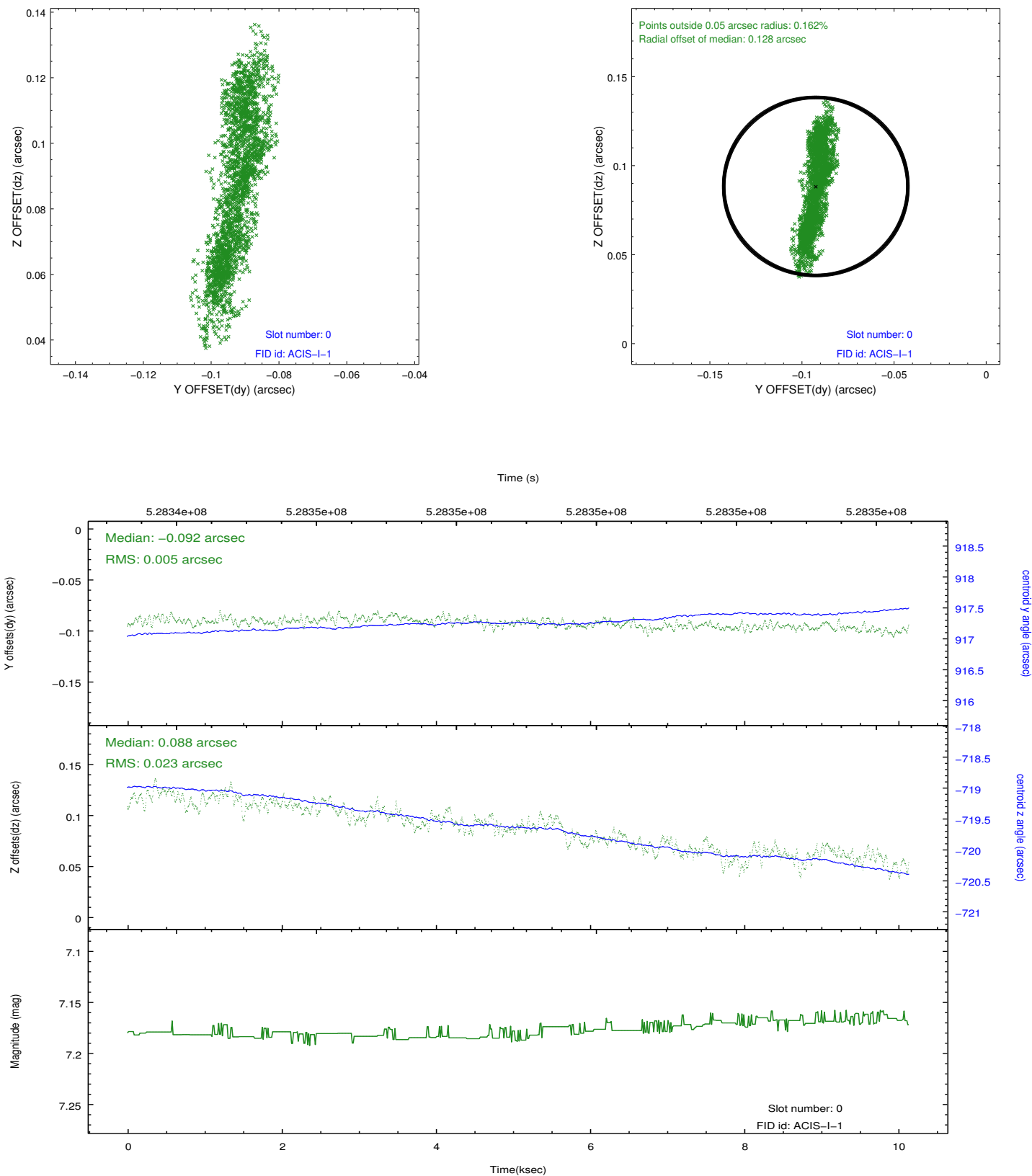


2.4.5 Slot 7

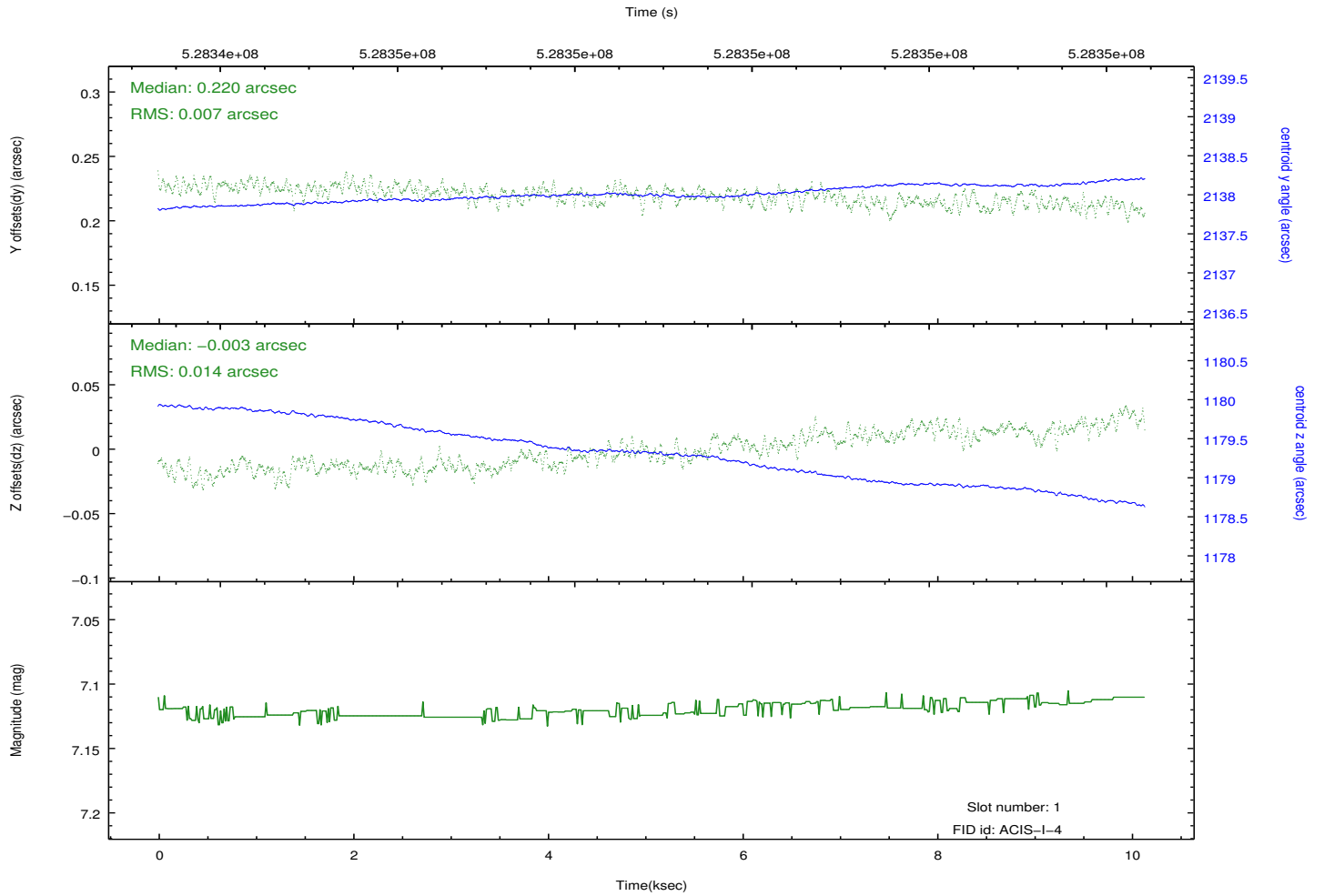
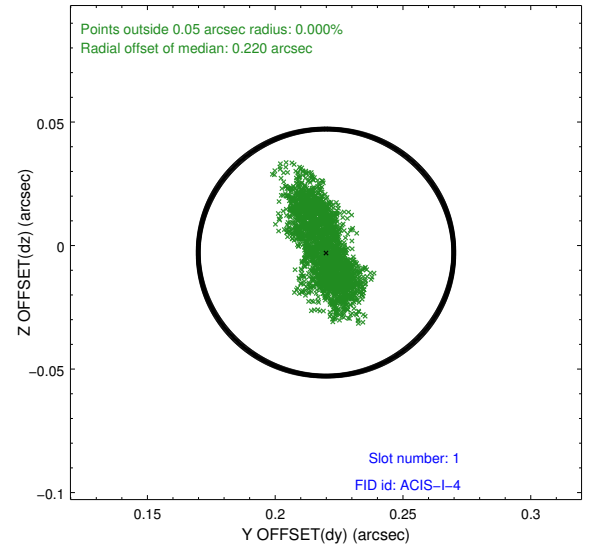
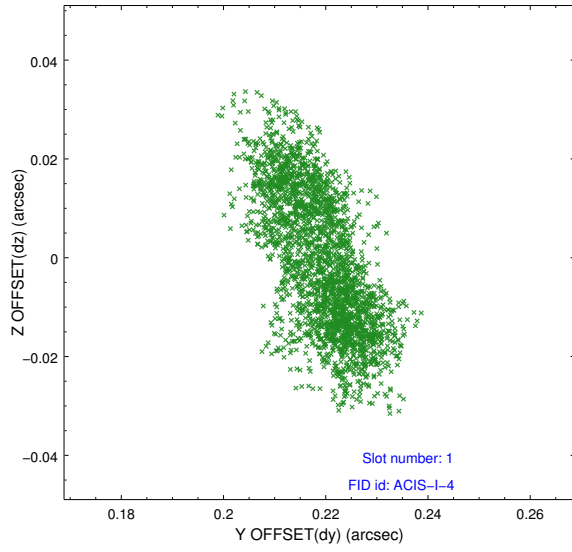


2.5 FID Slots

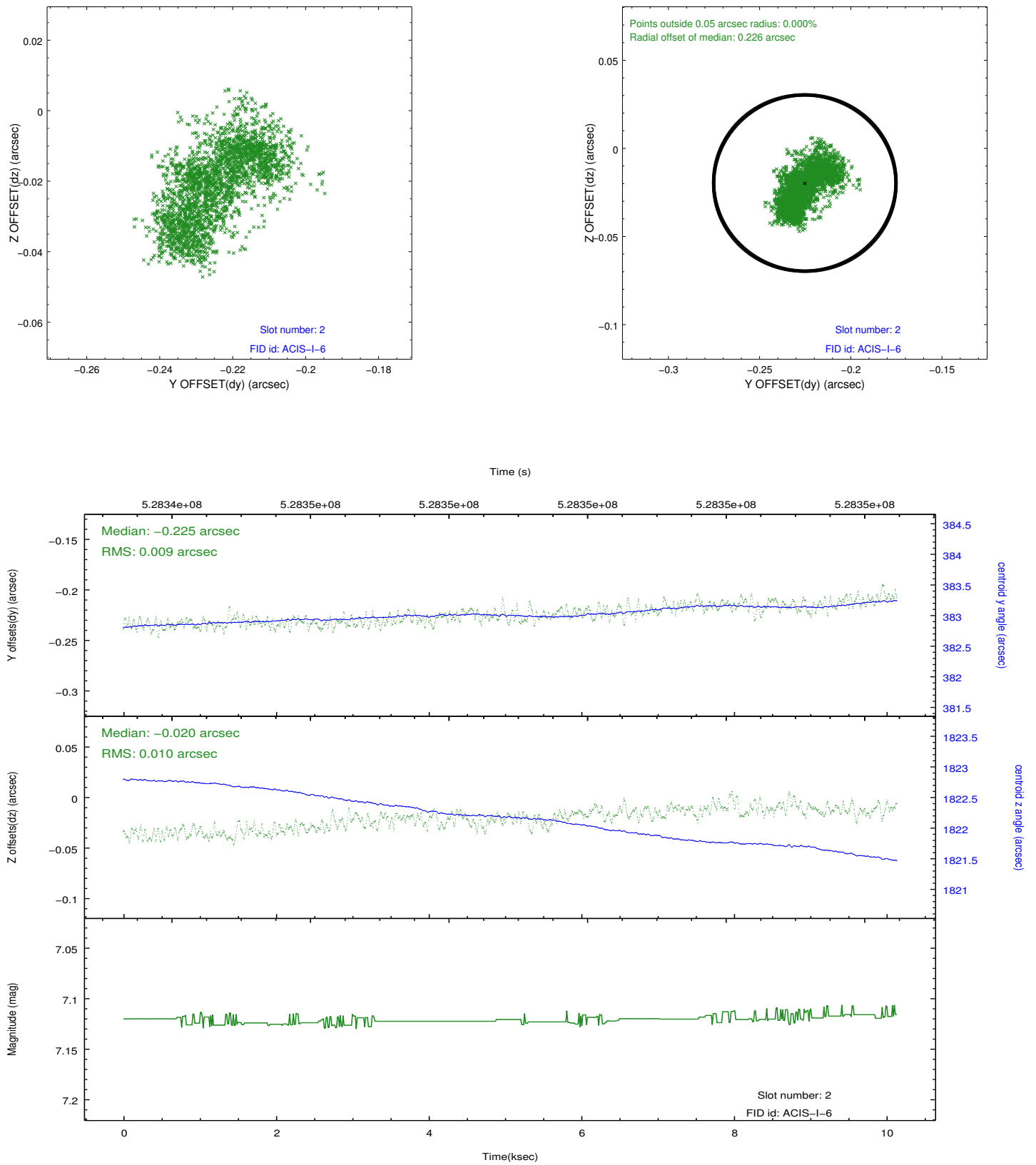
2.5.1 Slot 0



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)	2014.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.084300077558

A.2 Comments