

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1308 - L2 Version 3
Chandra X-Ray Center

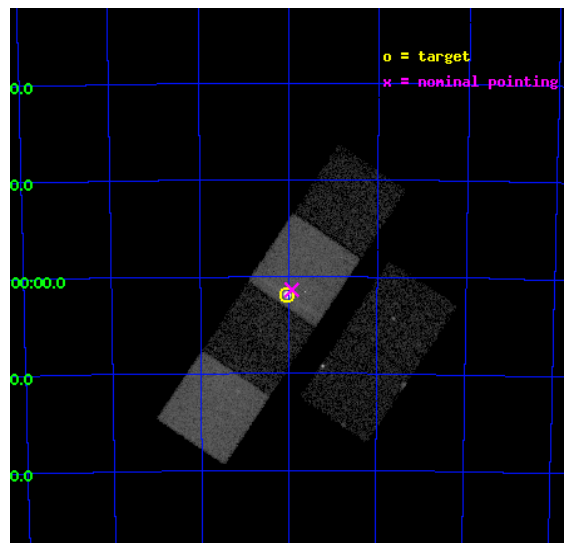
L2 Processing Date : Sep 4 2012

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1 Front

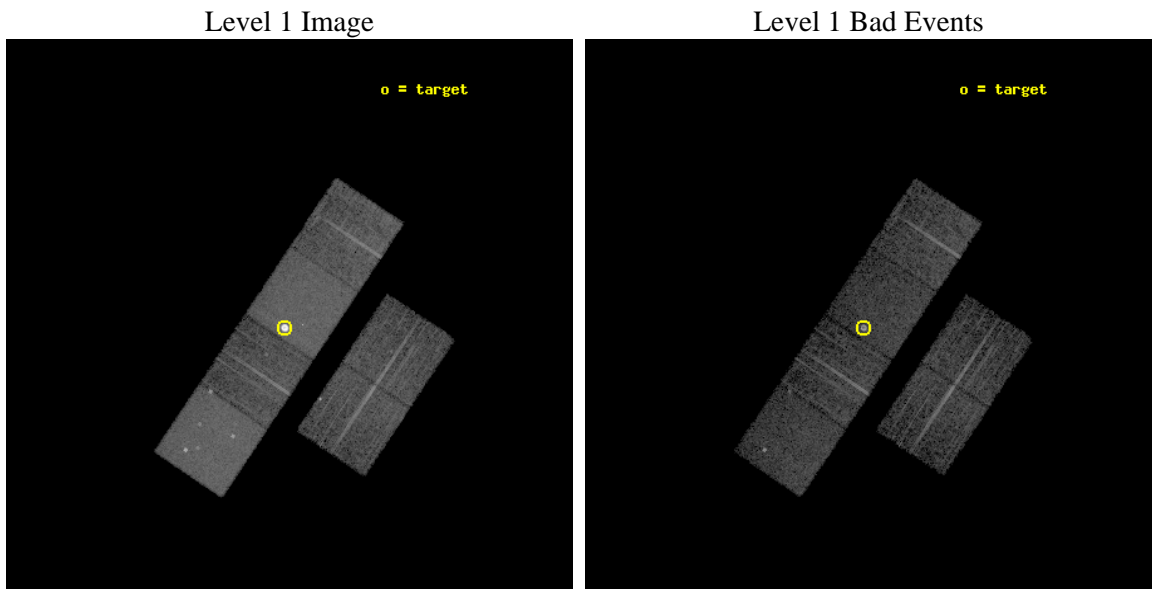
seq_num	590124	Sequence number
obs_id	1308	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S3, T=120, Offsets=1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.982923594846	Nominal RA [deg]
dec_nom	-72.022657639208	Nominal Dec [deg]
roll_nom	303.78861311002	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7955.200007394	Sum of GTIs [s]
livetime	7854.466474854	Livetime [s]
ontime2	7955.200007394	Sum of GTIs [s]
ontime3	7955.200007394	Sum of GTIs [s]
ontime5	7955.200007394	Sum of GTIs [s]
ontime6	7955.200007394	Sum of GTIs [s]
ontime7	7955.200007394	Sum of GTIs [s]
ontime8	7955.200007394	Sum of GTIs [s]
l2events	169848	Number of level 2 events



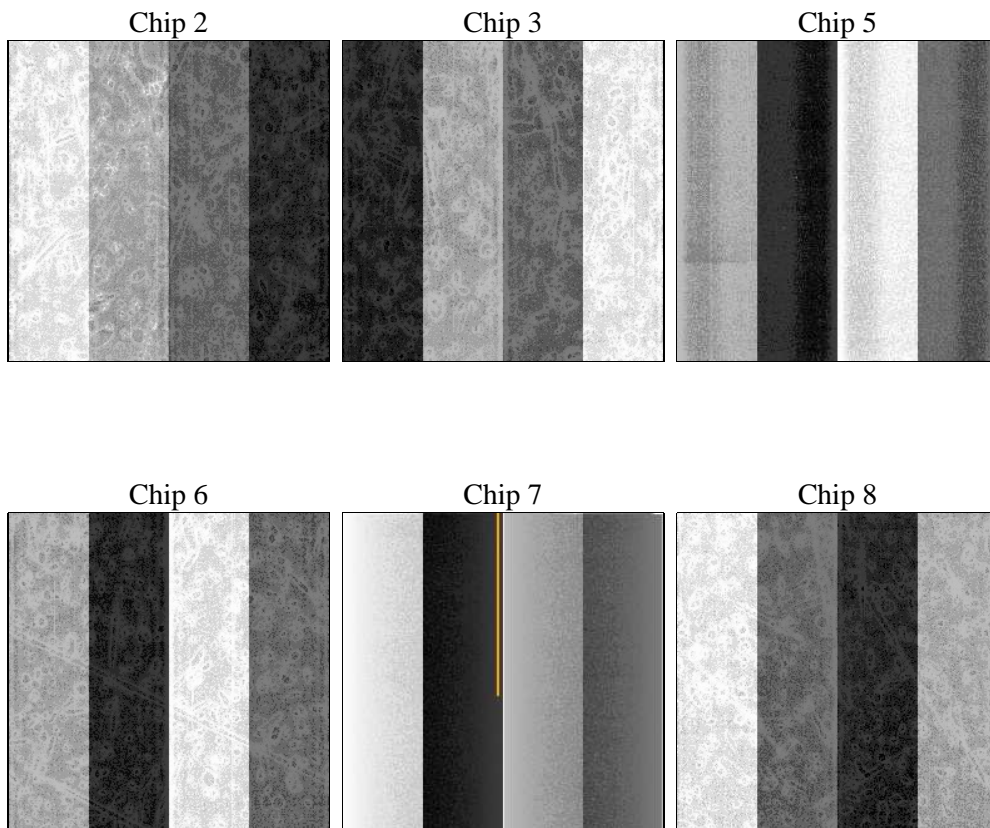
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7955.200007394	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	7955.200007394	Sum of GTIs [s]
date	2012-09-04T06:21:07	Date and time of file creation	ontime3	7955.200007394	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7955.200007394	Sum of GTIs [s]
			ontime6	7955.200007394	Sum of GTIs [s]
			ontime7	7955.200007394	Sum of GTIs [s]
			ontime8	7955.200007394	Sum of GTIs [s]
			l1events	427224	Number of level 1 events

2.1.4 Events

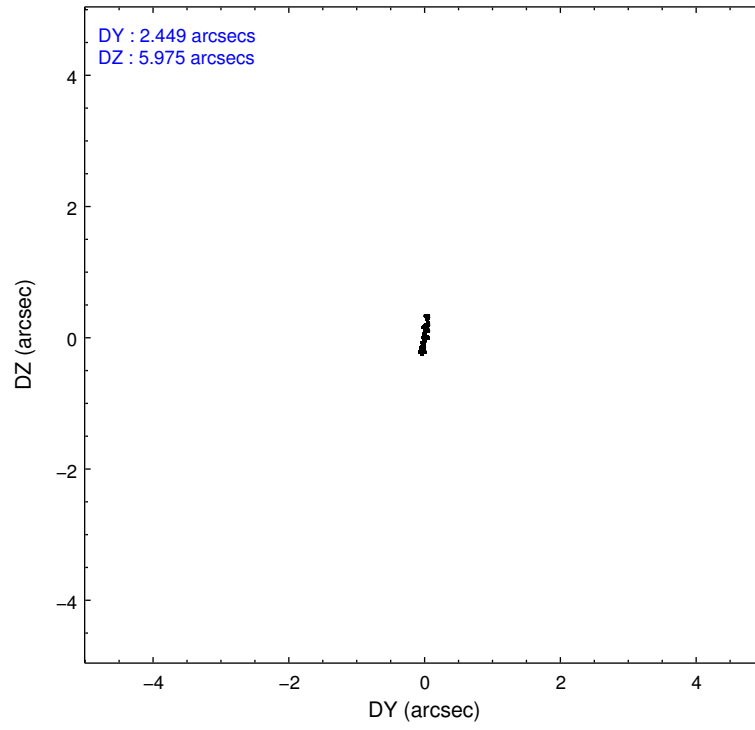
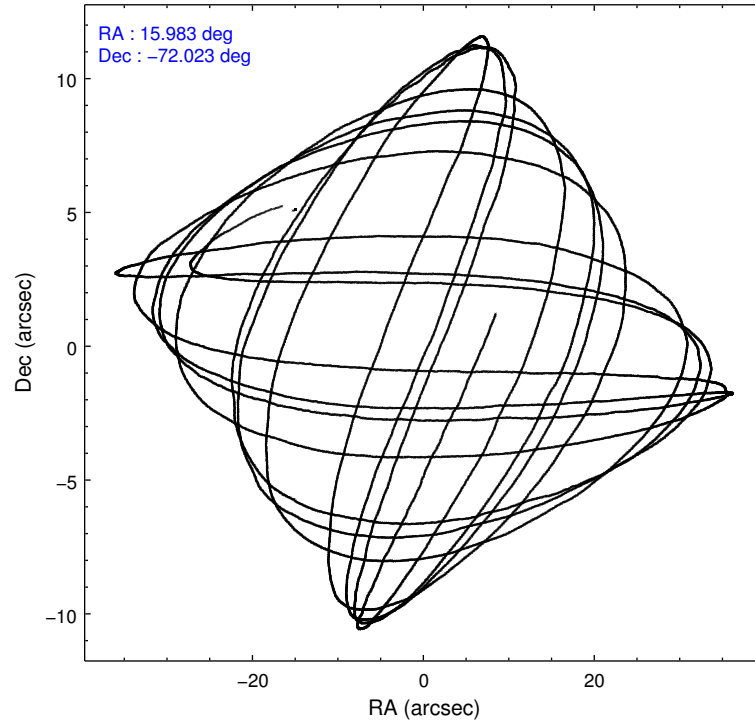
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47797	44723	82723	47652	145366	58963	grade 0 events	3068	2558	7651	3295	26700	4028
rejected events	41461	39282	37144	40935	38097	46934		6%	5%	9%	6%	18%	6%
rejected %	86%	87%	44%	85%	26%	79%	grade 1 events	34	33	225	20	551	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	1275	1029	12966	1153	26511	2402
								2%	2%	15%	2%	18%	4%
							grade 3 events	516	489	2366	612	11687	1294
								1%	1%	2%	1%	8%	2%
							grade 4 events	521	463	2274	581	11683	1275
								1%	1%	2%	1%	8%	2%
							grade 5 events	1609	1736	5356	1914	7383	2456
								3%	3%	6%	4%	5%	4%
							grade 6 events	958	904	20337	1079	30737	3032
								2%	2%	24%	2%	21%	5%
							grade 7 events	39816	37511	31548	38998	30114	44448
								83%	83%	38%	81%	20%	75%

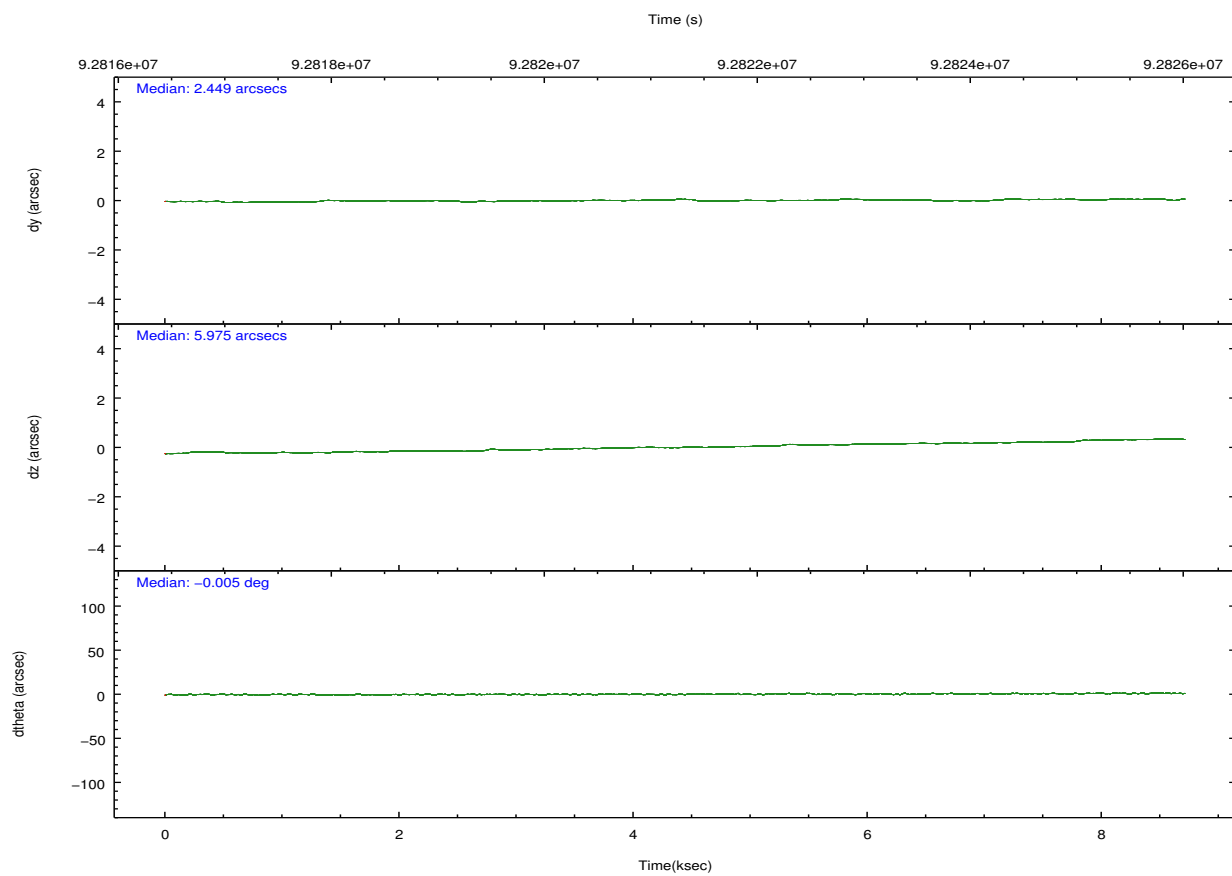
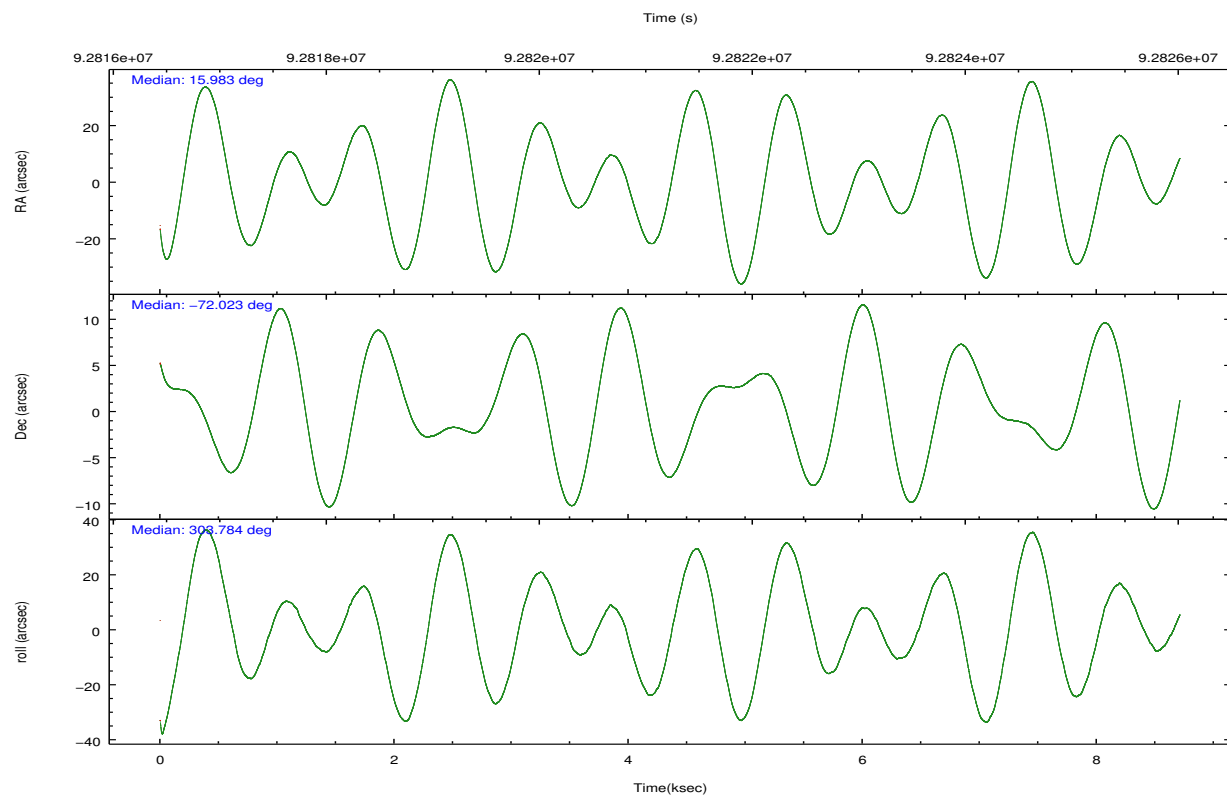
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	15.903172	15.98292359484572
[deg] Pointing Dec	-72.010721	-72.02265763920781
[deg] Pointing Roll	303.556154	303.7886131100196
[s] Window start time (MET)	92016064.184000	92016064.184000
[s] Window stop time (MET)	94608064.184000	94608064.184000
[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)	92817588.184000	92816369.004419
Observation start date	2000-12-10T06:38:44	2000-12-10T06:19:29
[s] Observation end time (MET)	92825588.184000	92825722.129777
Observation end date	2000-12-10T08:52:04	2000-12-10T08:55:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	3.2

2.3 Aspect



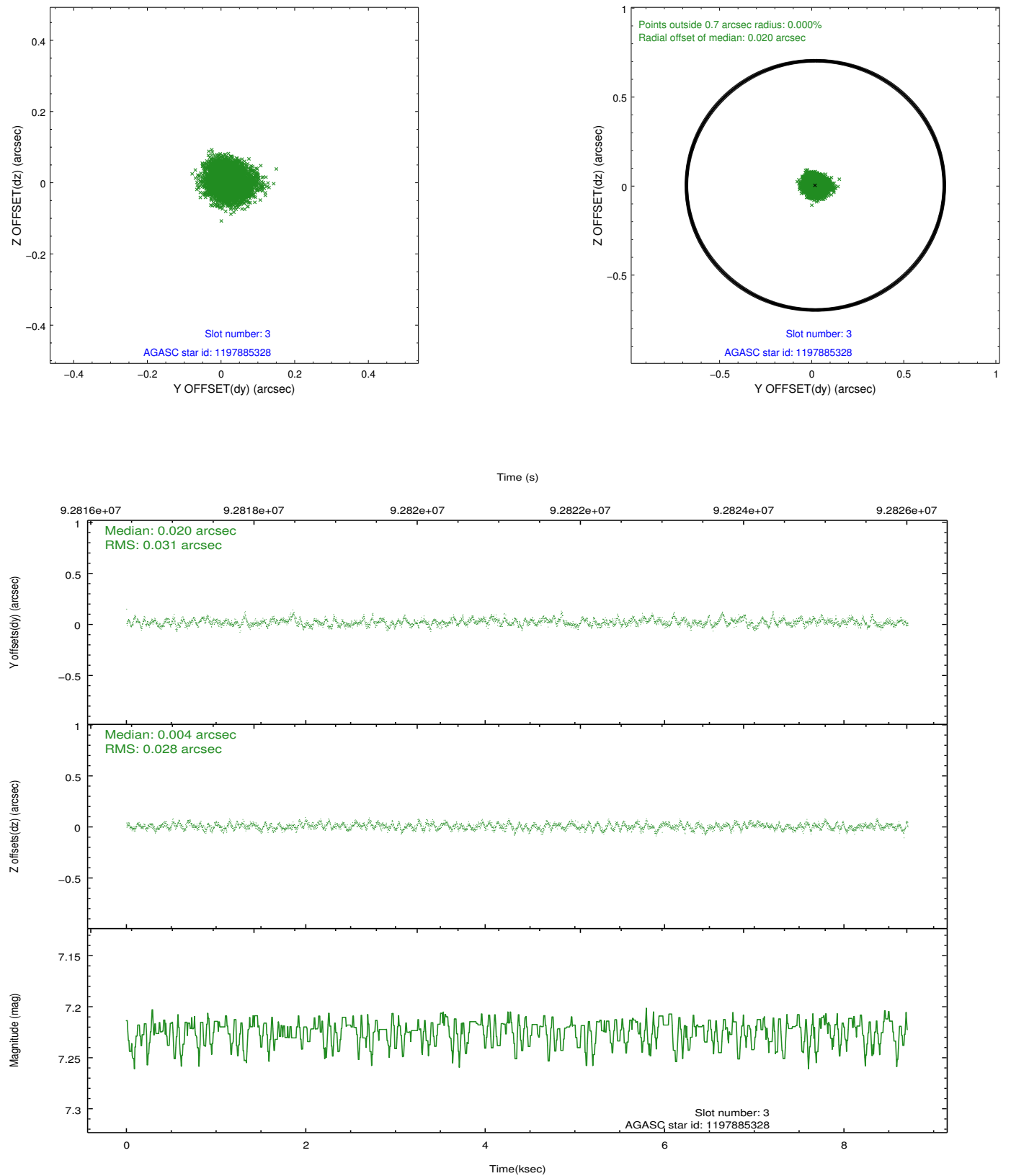


Slot Statistics

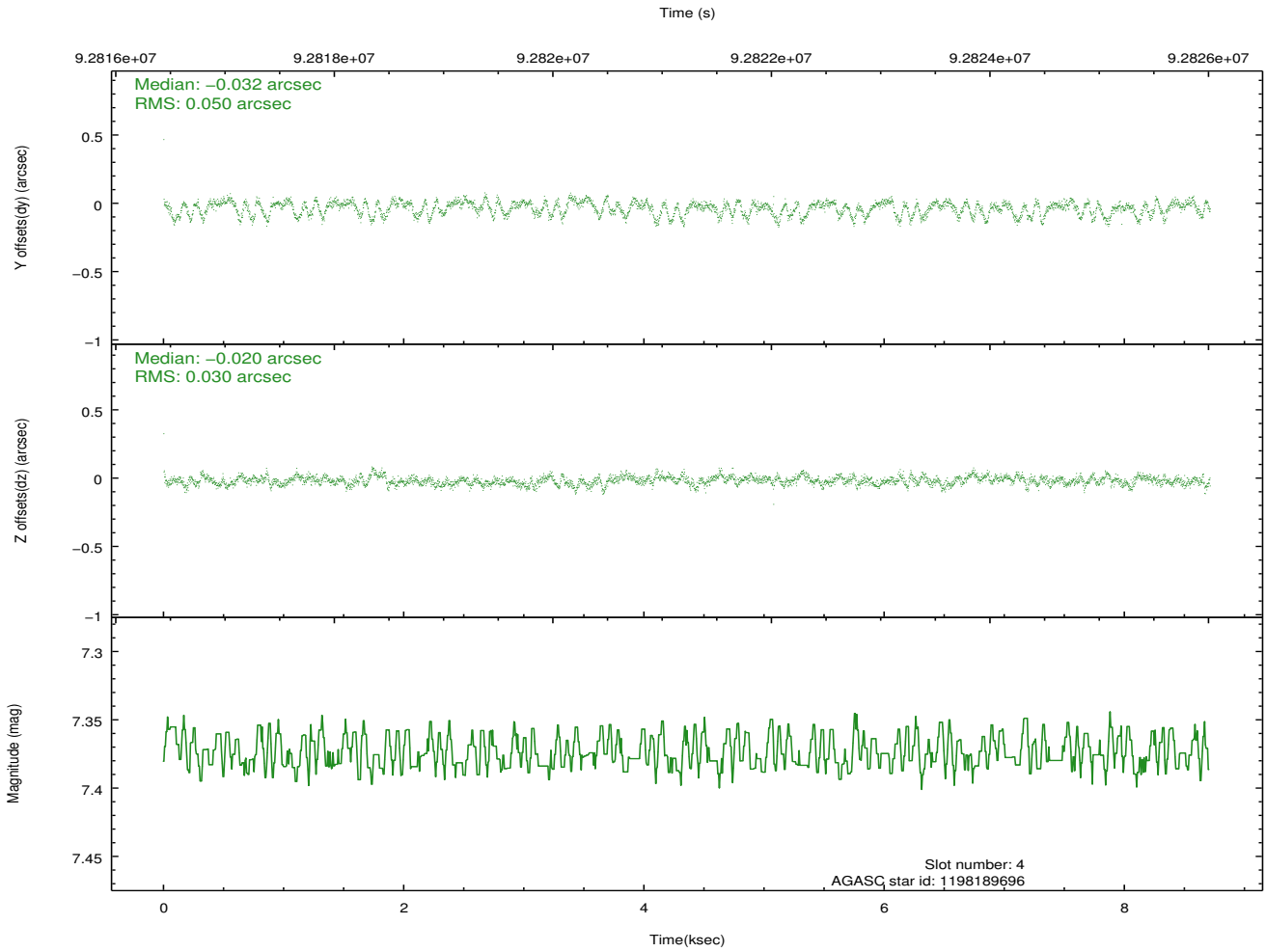
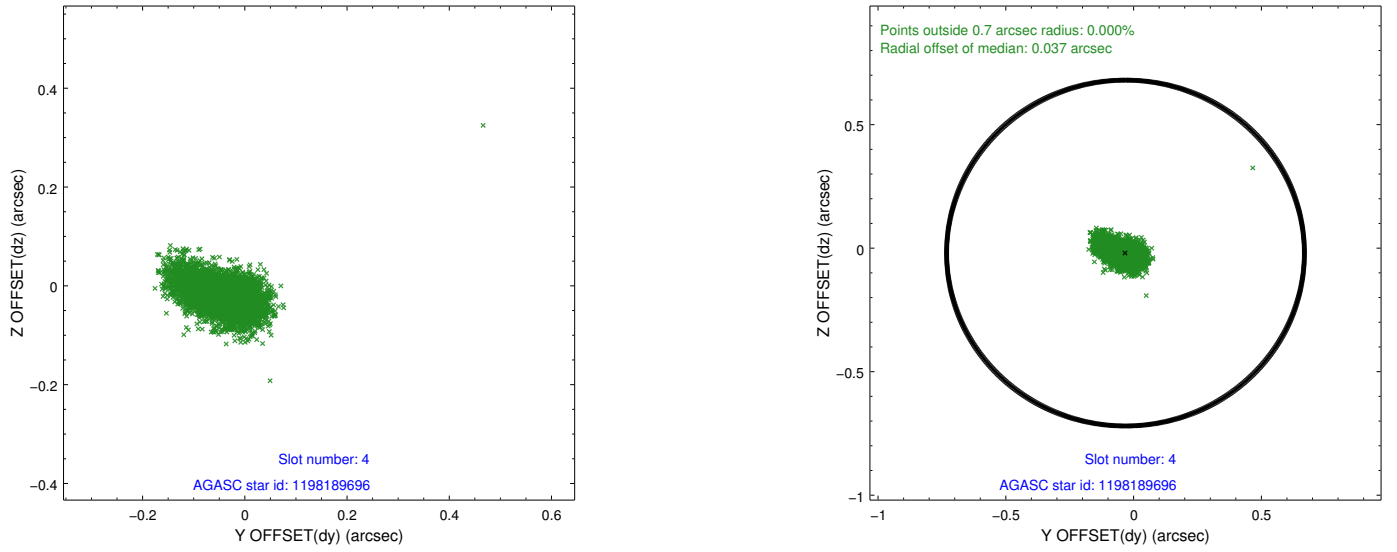
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2126	-0.039	0.003	0.007	0.012	0.000000	0.000000	-755.09	-1727.13
1	FID	ACIS-S-4	7.21	2125	-0.007	0.018	0.006	0.011	0.000000	0.000000	2157.91	180.75
2	FID	ACIS-S-5	7.23	2126	0.015	-0.012	0.007	0.010	0.000000	0.000000	-1807.09	175.06
3	GUIDE	1197885328	7.22	4251	0.020	0.004	0.044	0.071	16.283090	-71.733943	-592.96	906.89
4	GUIDE	1198189696	7.38	4251	-0.032	-0.020	0.060	0.105	15.223750	-72.697522	1661.15	-1975.29
5	GUIDE	1197750936	7.56	4250	-0.044	-0.040	0.057	0.088	15.387940	-71.549550	-1706.23	426.03
6	GUIDE	1197884536	8.49	4249	0.019	0.055	0.075	0.114	17.160729	-71.835289	264.89	1516.77
7	GUIDE	1197749416	10.30	4248	0.037	0.001	0.121	0.192	13.610513	-71.871242	-1797.38	-1889.26

2.4 Star Slots

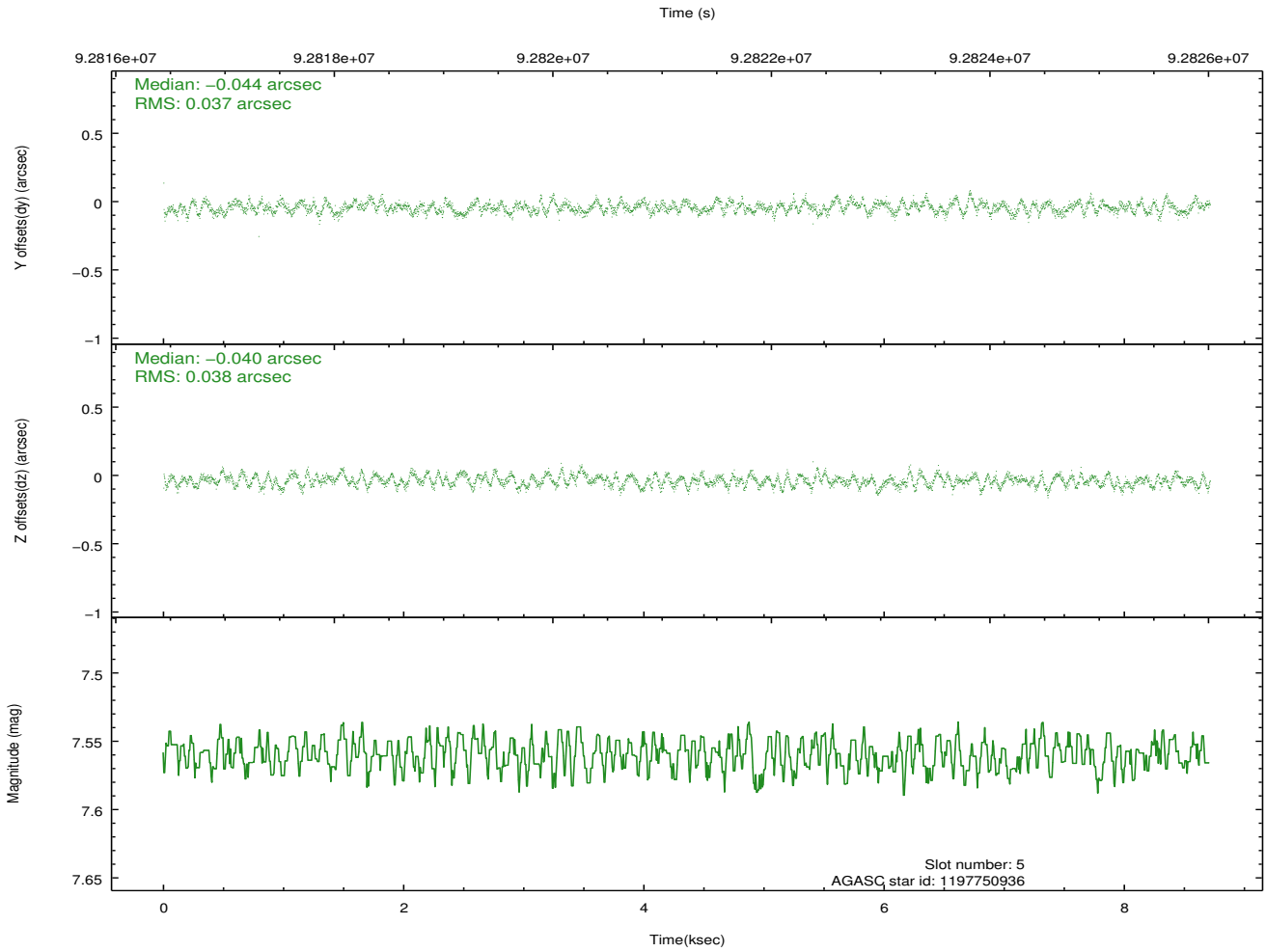
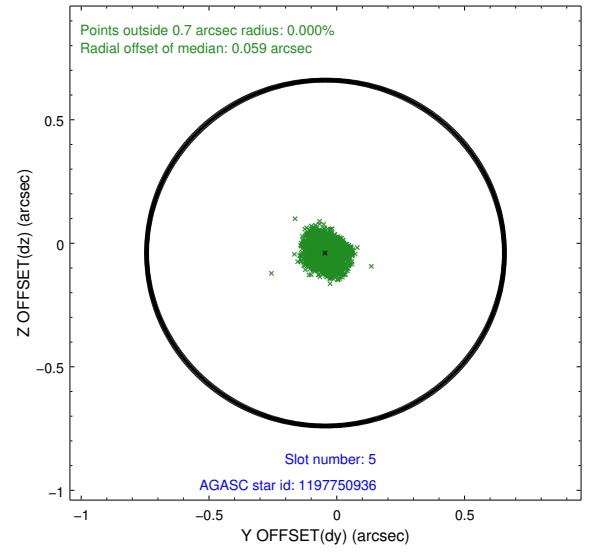
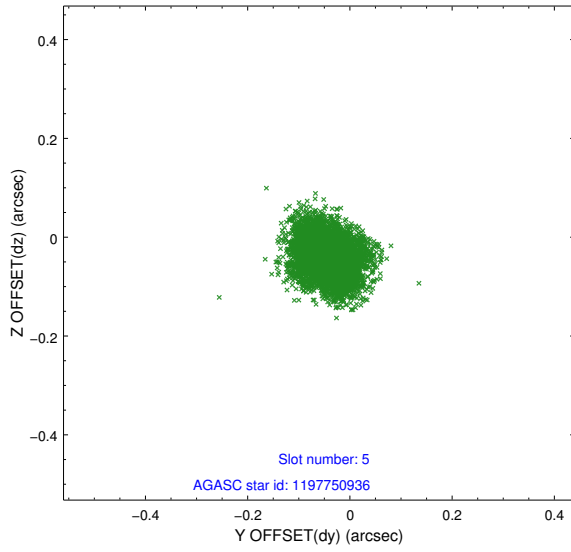
2.4.1 Slot 3



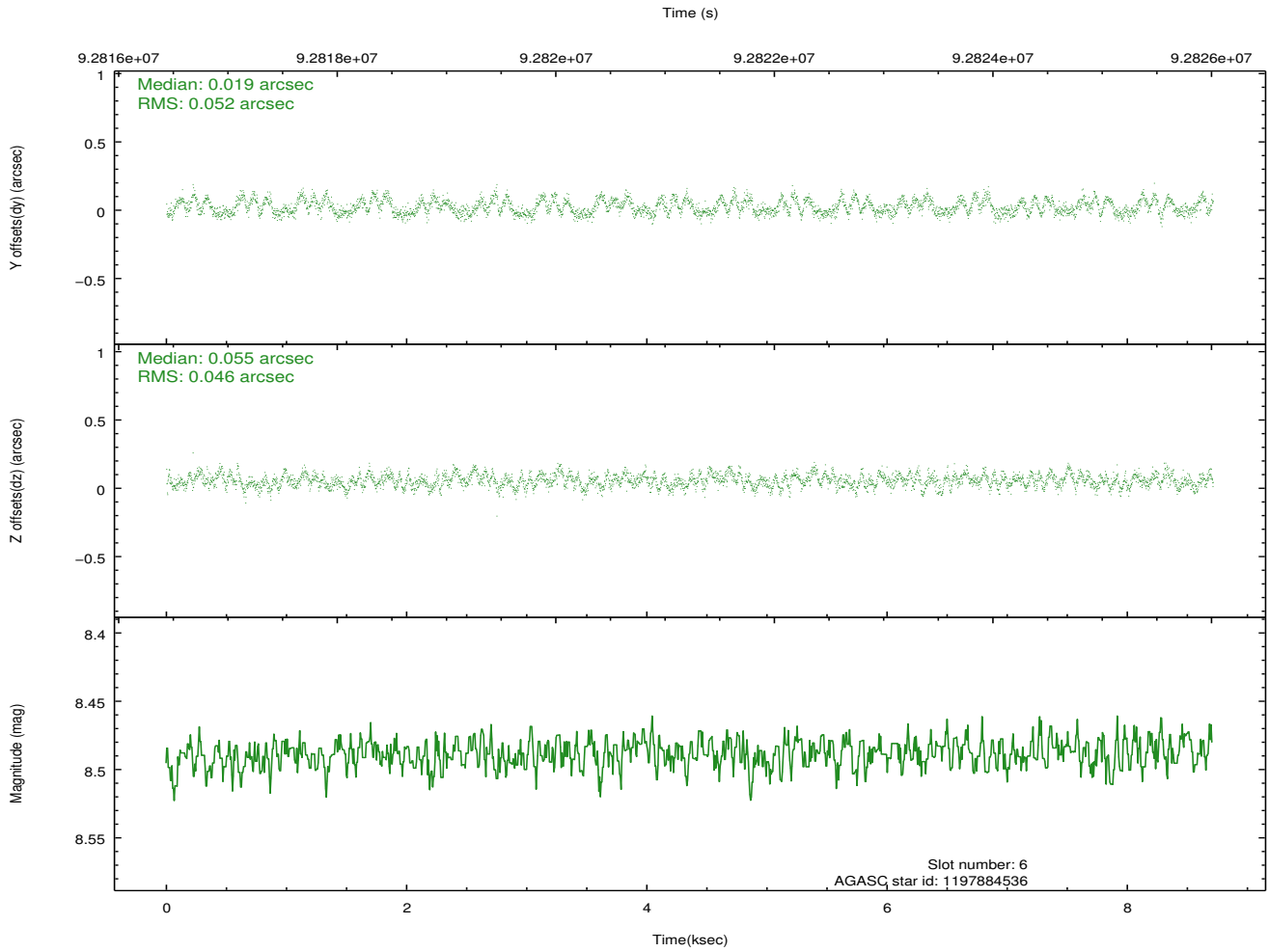
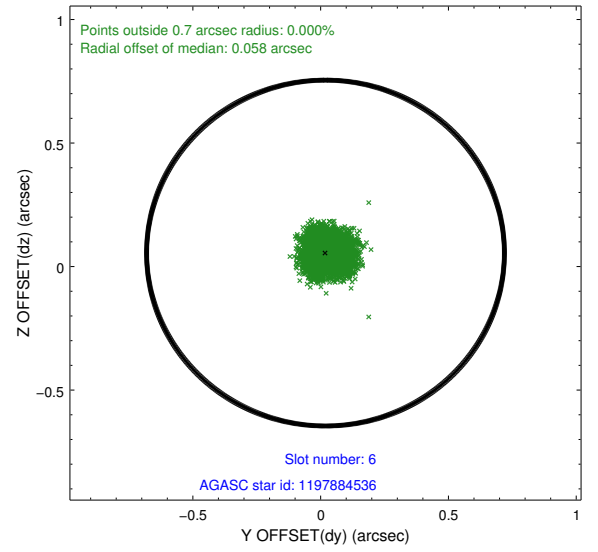
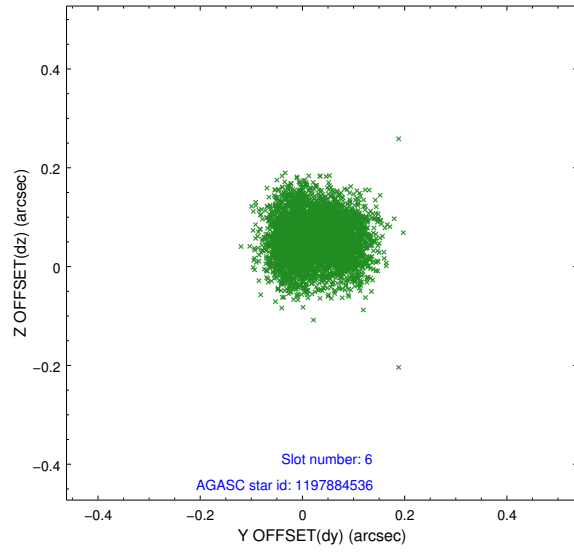
2.4.2 Slot 4



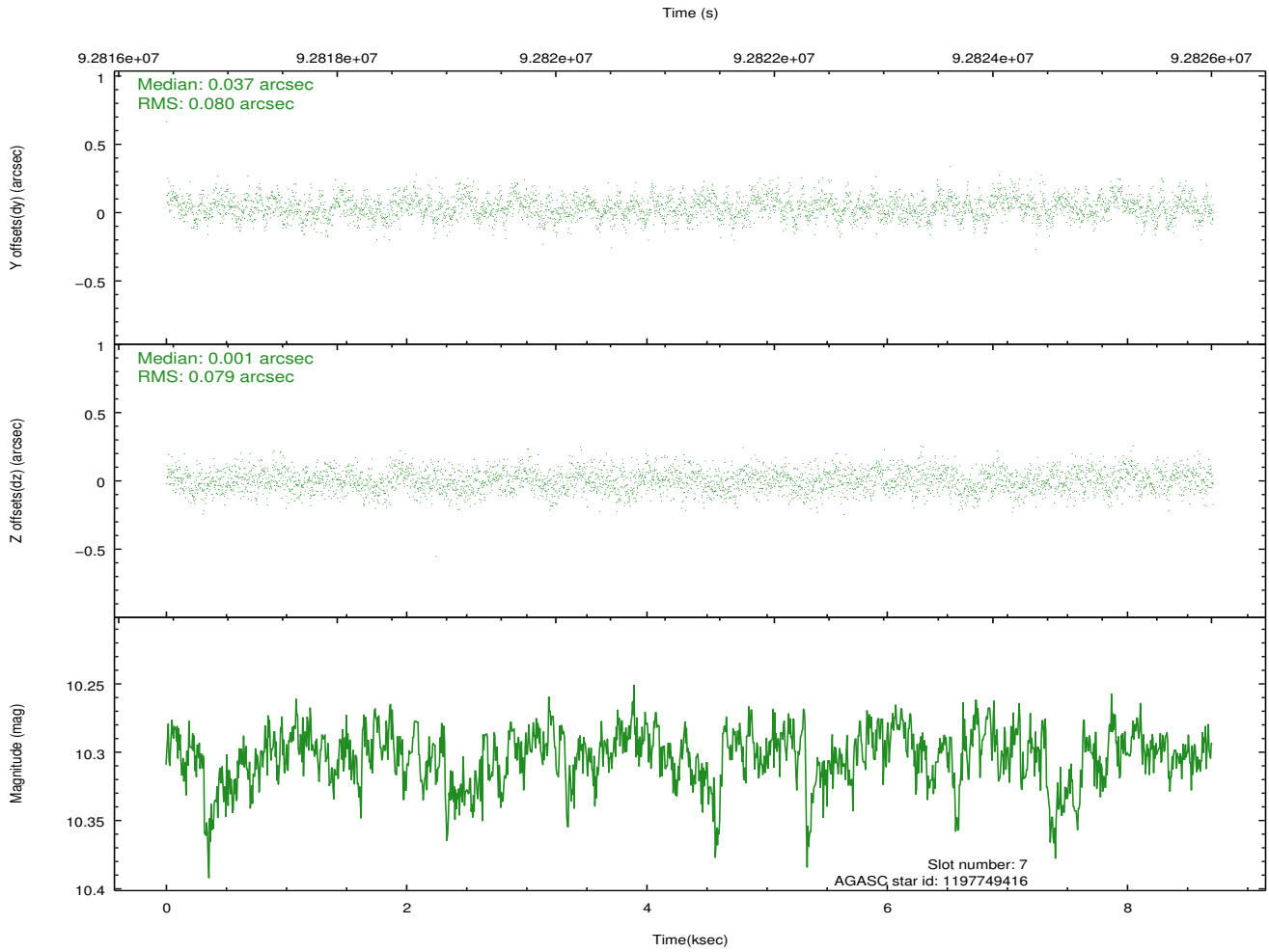
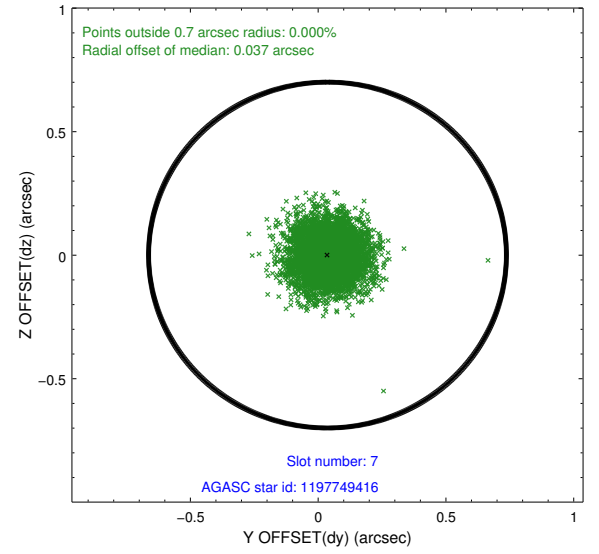
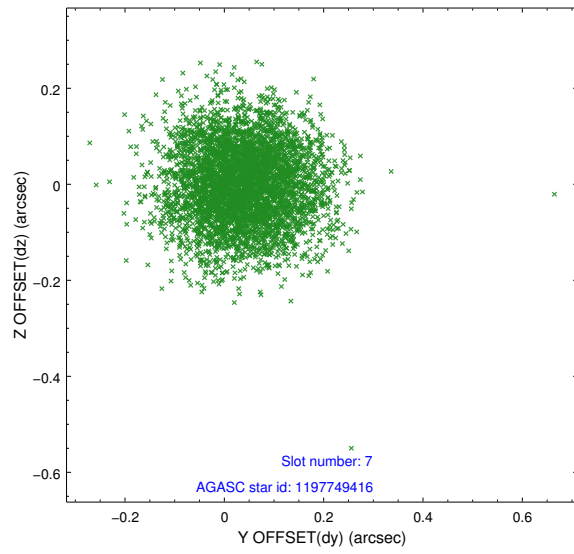
2.4.3 Slot 5



2.4.4 Slot 6

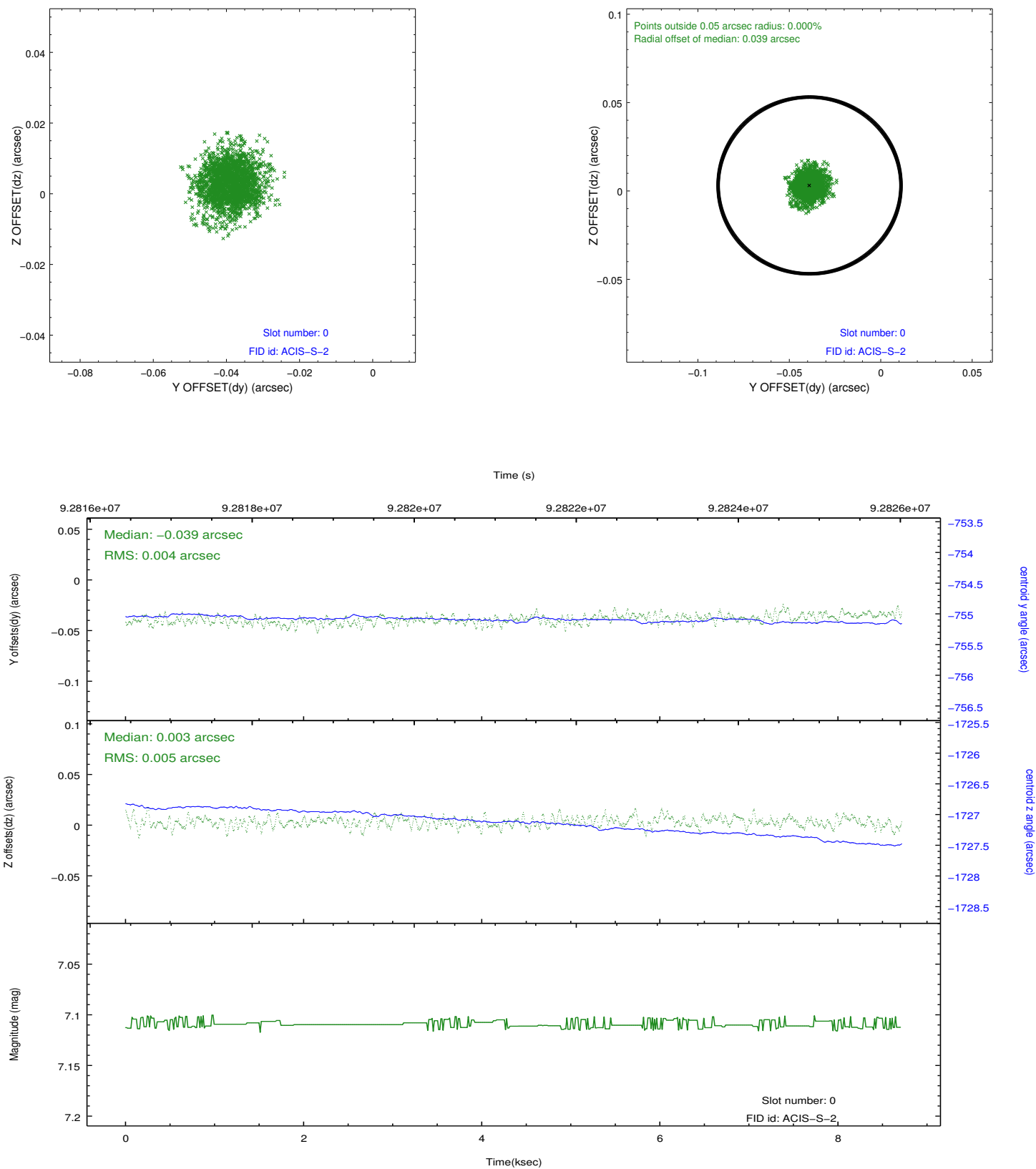


2.4.5 Slot 7

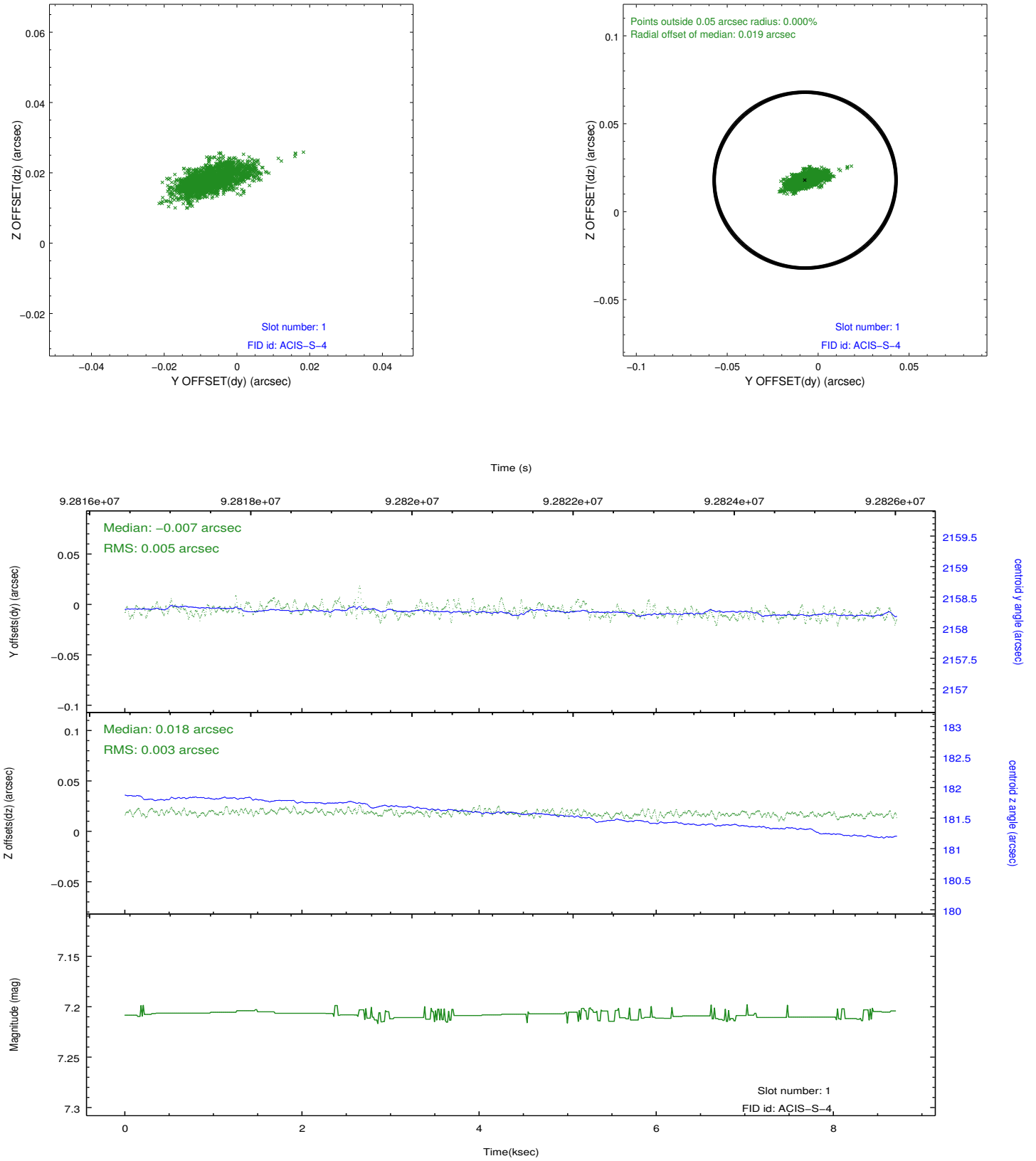


2.5 FID Slots

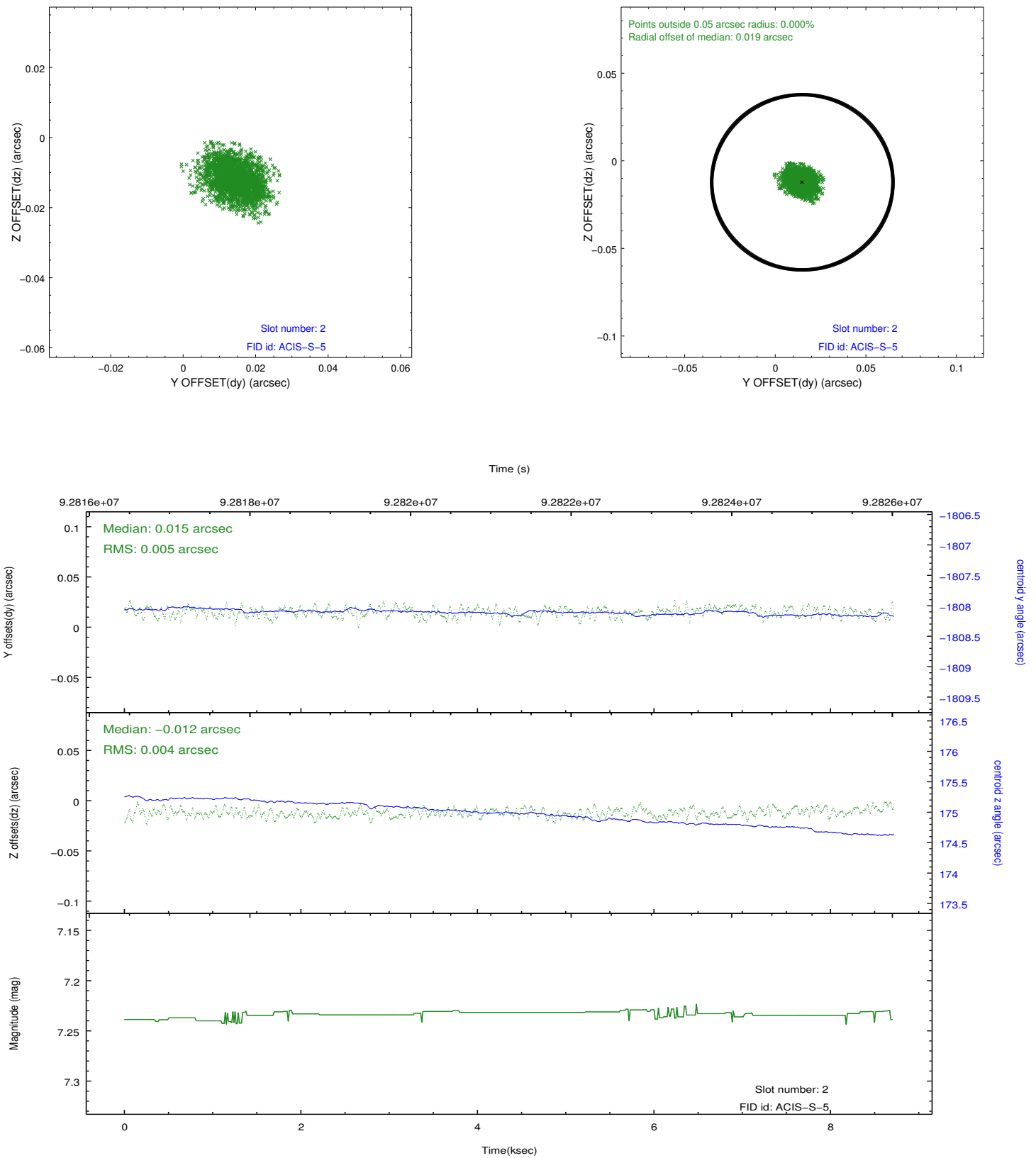
2.5.1 Slot 0



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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.958

A.2 Comments

Window preference met.