

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10120 - L2 Version 2
Chandra X-Ray Center

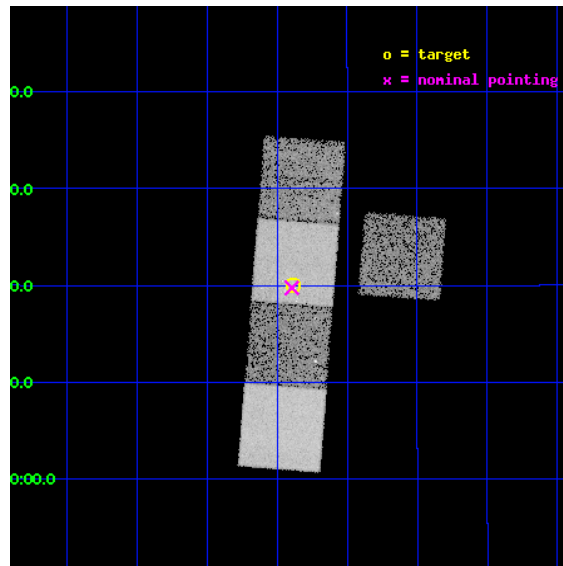
L2 Processing Date : Jun 14 2012

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1 Front

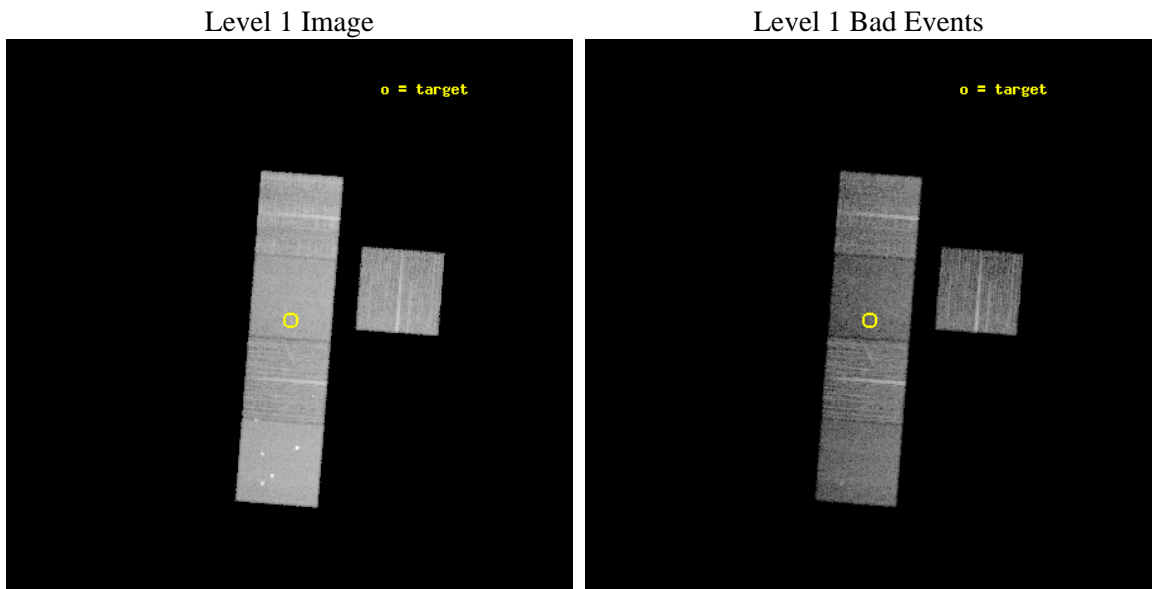
seq_num	501047	Sequence number
obs_id	10120	Observation id
title	Chandra Observations of New X-ray Supernovae	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2009jf	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	346.22075	Observer's specified target RA [deg]
dec_targ	12.333194	Observer's specified target Dec [deg]
ra_nom	346.2237130354	Nominal RA [deg]
dec_nom	12.329253515622	Nominal Dec [deg]
roll_nom	274.50356918646	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10161.800078154	Sum of GTIs [s]
livetime	10029.028679124	Livetime [s]
ontime3	10155.518087626	Sum of GTIs [s]
ontime5	10161.800078154	Sum of GTIs [s]
ontime6	10161.800078154	Sum of GTIs [s]
ontime7	10161.800078154	Sum of GTIs [s]
ontime8	10161.800078154	Sum of GTIs [s]
l2events	129106	Number of level 2 events



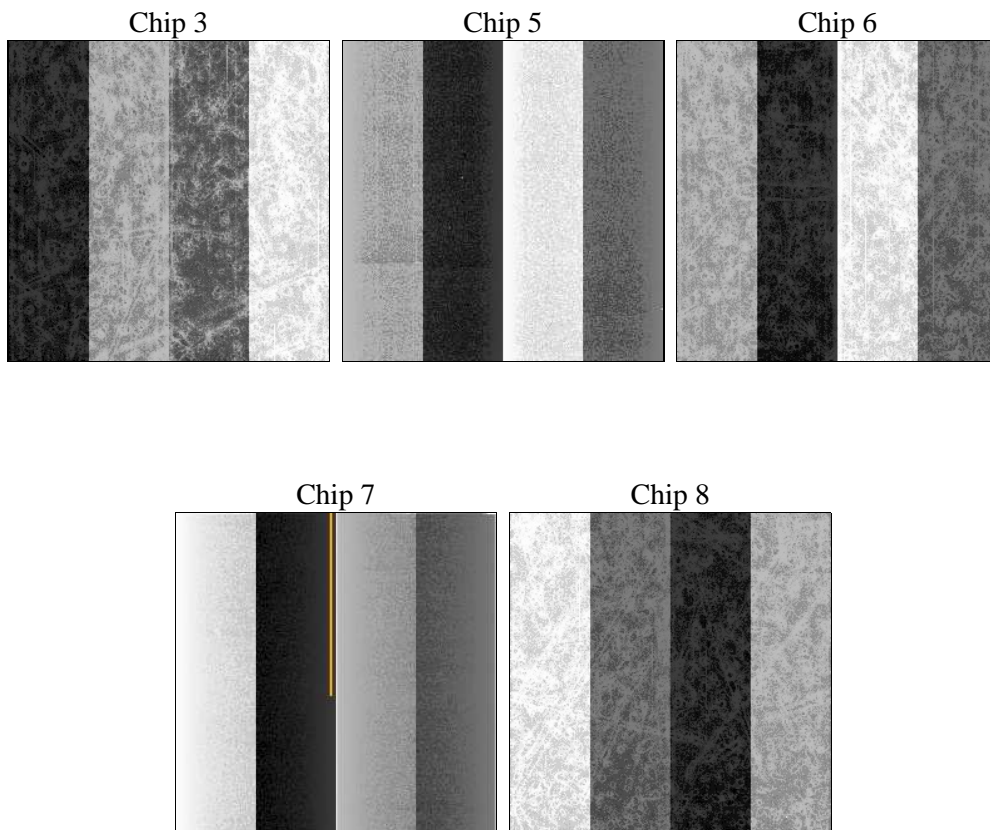
2 OBI

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	10161.800078154	Sum of GTIs [s]
caldbver	4.4.10	 	ontime3	10155.518087626	Sum of GTIs [s]
date	2012-06-15T01:17:03	Date and time of file creation	ontime5	10161.800078154	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10161.800078154	Sum of GTIs [s]
			ontime7	10161.800078154	Sum of GTIs [s]
			ontime8	10161.800078154	Sum of GTIs [s]
			l1events	518368	Number of level 1 events

2.1.4 Events

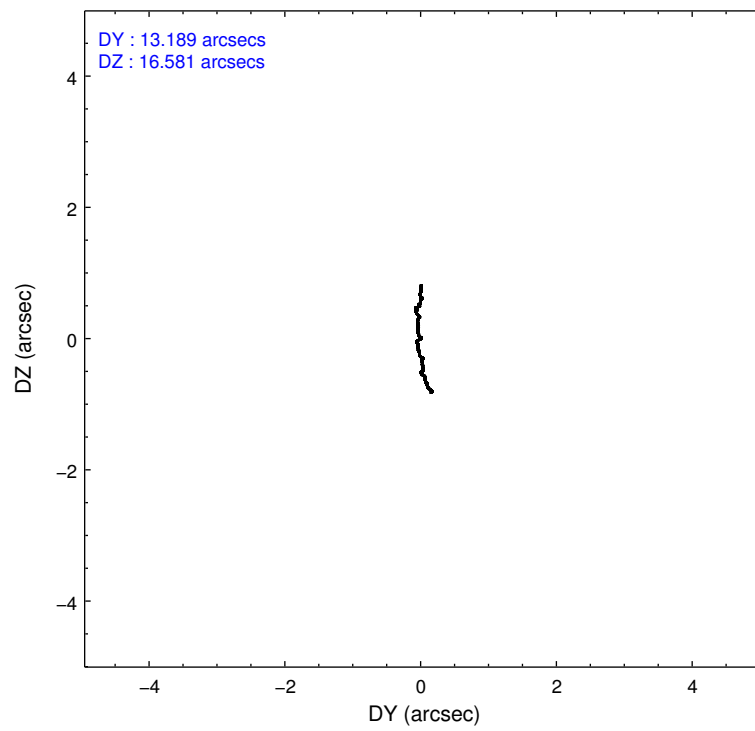
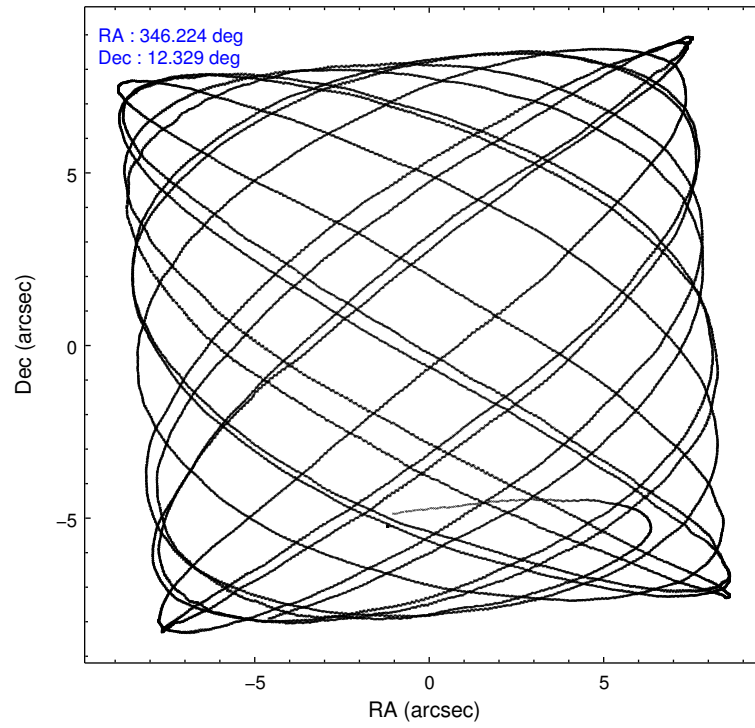
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	81973	130780	90325	101921	113369
rejected events	73877	64611	80578	55949	85195
rejected %	90%	49%	89%	54%	75%

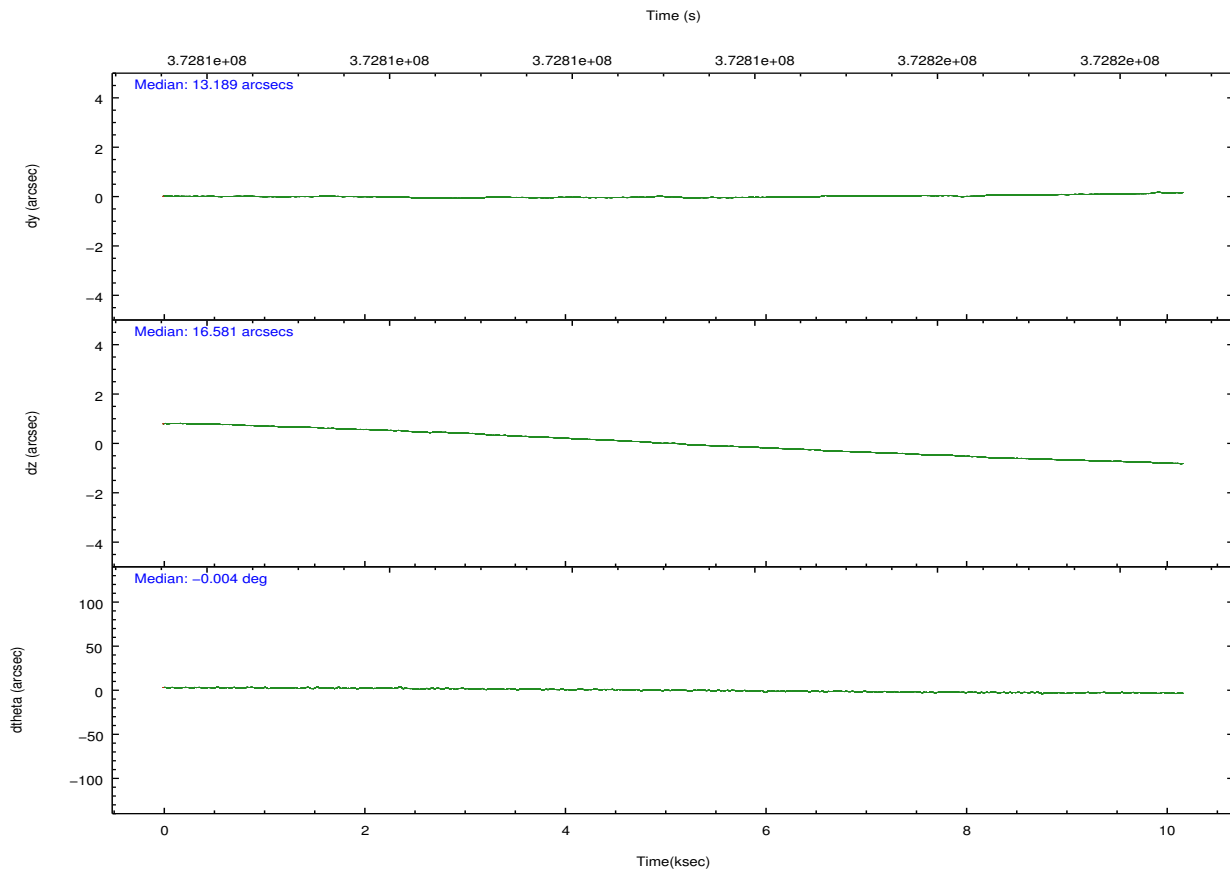
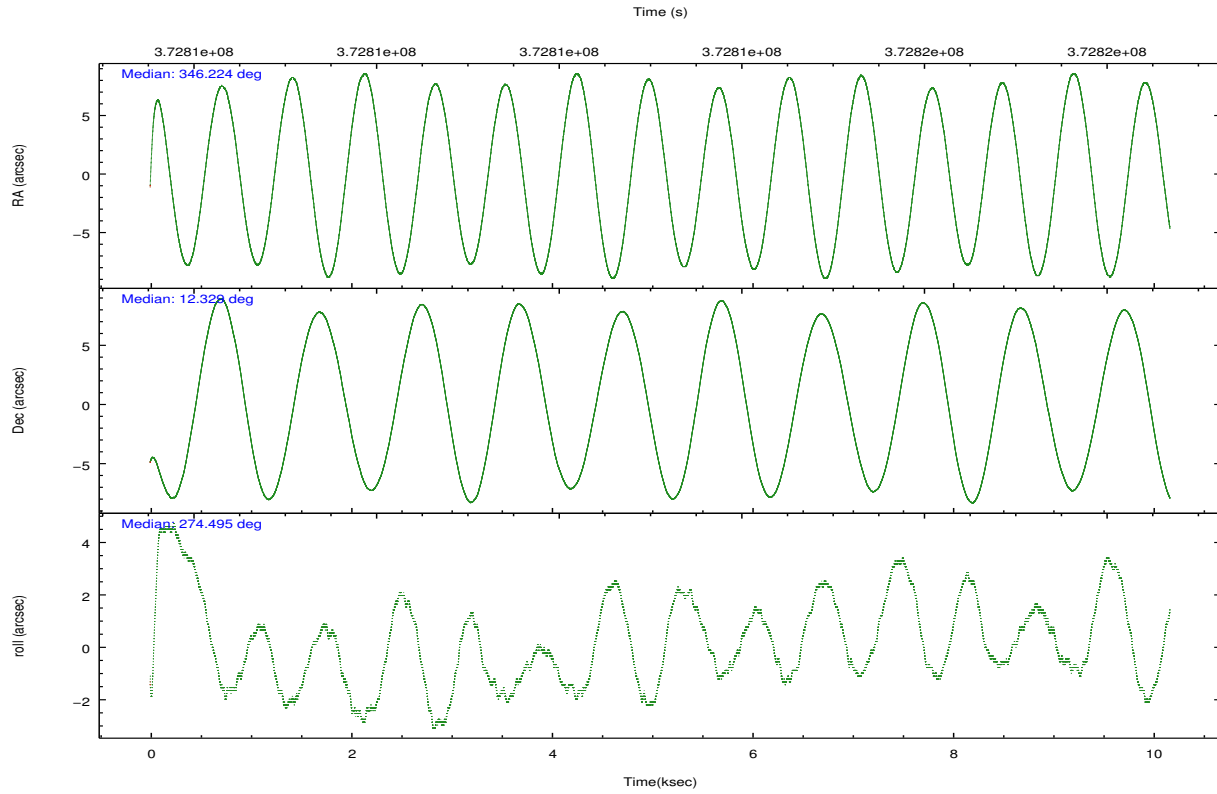
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2827	9680	3660	4341	8850
	3%	7%	4%	4%	7%
grade 1 events	48	267	56	145	103
	0%	0%	0%	0%	0%
grade 2 events	1842	19157	2102	9611	6539
	2%	14%	2%	9%	5%
grade 3 events	937	2632	1013	4308	2979
	1%	2%	1%	4%	2%
grade 4 events	934	2525	990	4088	2771
	1%	1%	1%	4%	2%
grade 5 events	3591	10176	3763	10450	5567
	4%	7%	4%	10%	4%
grade 6 events	1655	32983	2093	24176	7373
	2%	25%	2%	23%	6%
grade 7 events	70139	53360	76648	44802	79187
	85%	40%	84%	43%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	346.207514	346.2237130353966	CCD I2 on	O1	N
[deg] Pointing Dec	12.351595	12.32925351562169	CCD I3 on	O2	Y
[deg] Pointing Roll	274.350409	274.5035691864561	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	372808189.184000	372806993.18984	CCD S5 on	N	N
Observation start date	2009-10-24T21:48:43	2009-10-24T21:29:53	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	372818189.184000	372819427.46547	On-chip summing requested	N	N
Observation end date	2009-10-25T00:35:23	2009-10-25T00:57:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



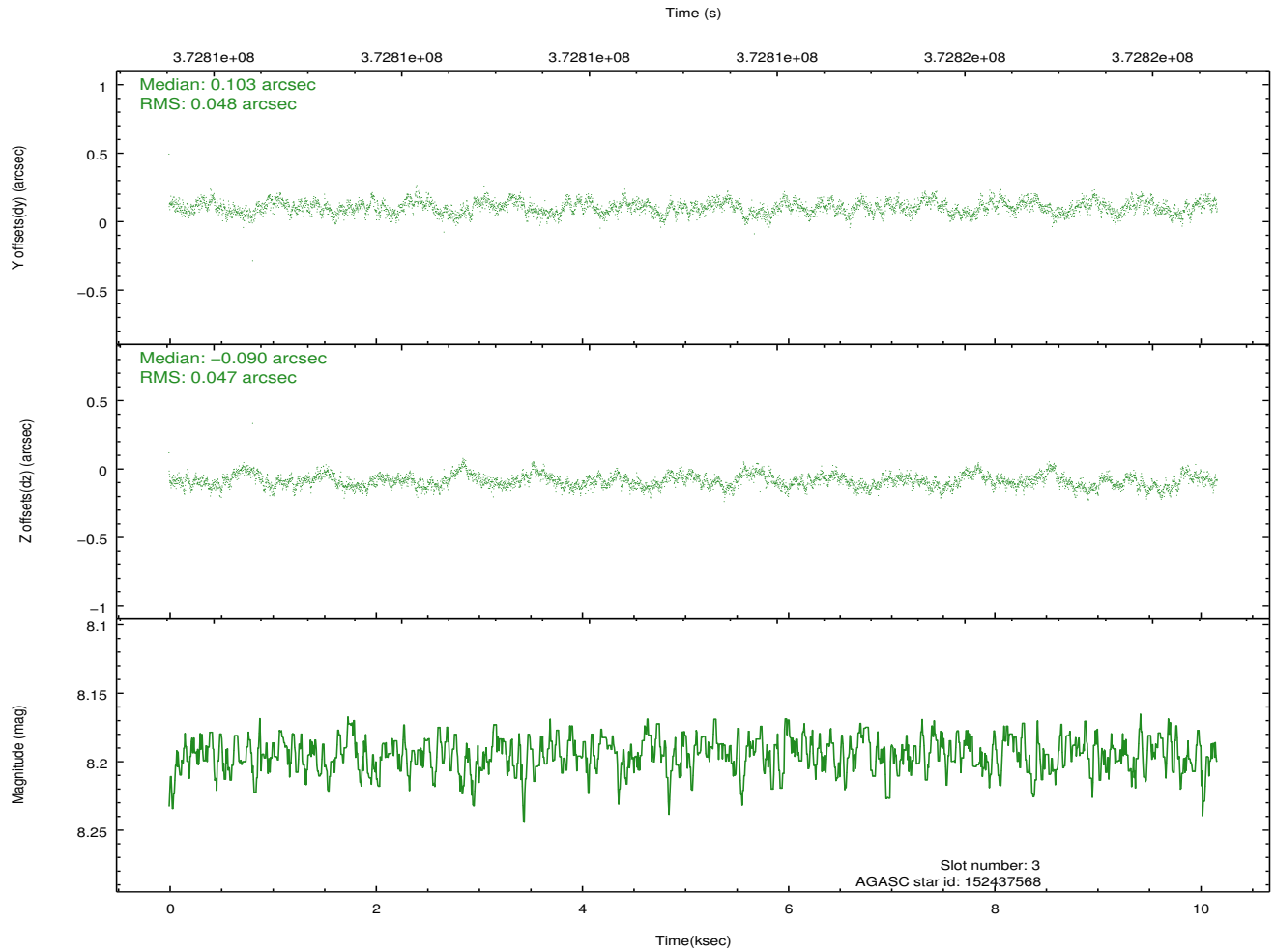
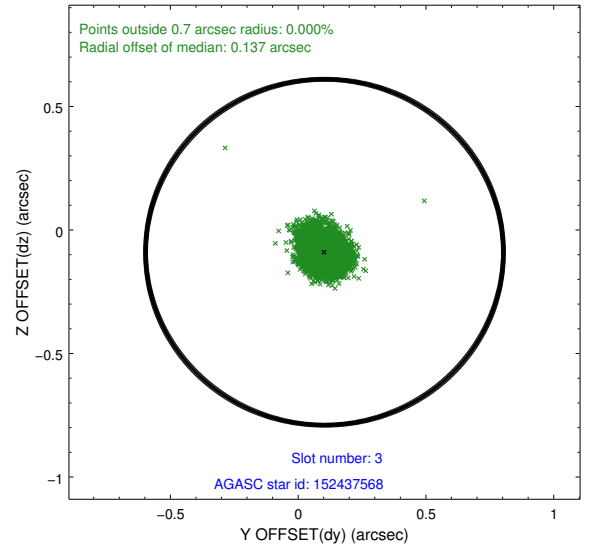
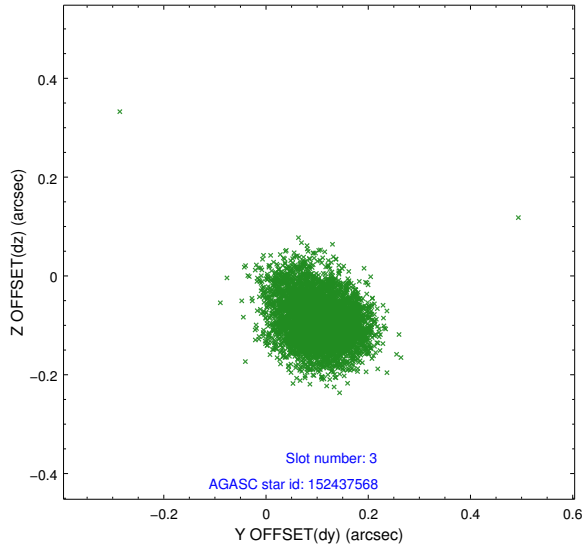


Slot Statistics

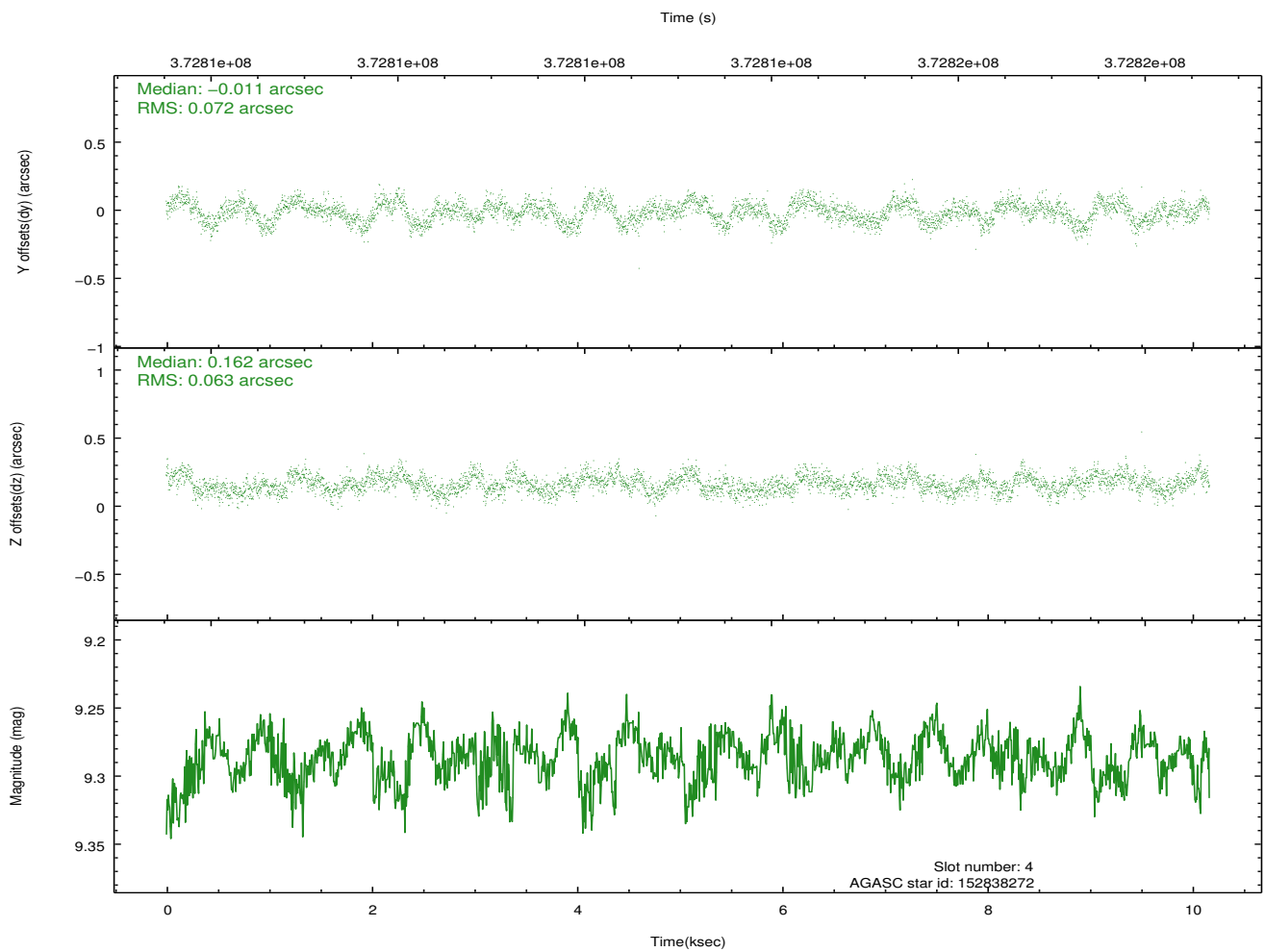
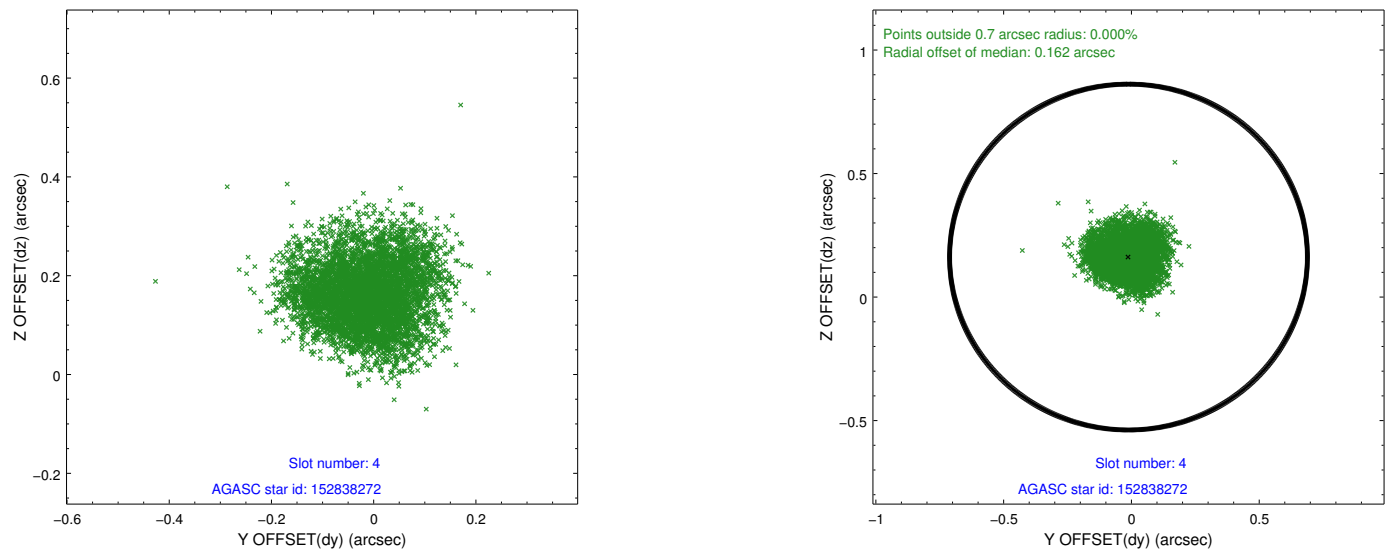
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	2481	-0.020	0.002	0.016	0.023	0.000000	0.000000	-766.14	-1738.01
1	FID	ACIS-S-4	6.95	2481	0.126	0.010	0.010	0.020	0.000000	0.000000	2147.05	169.94
2	FID	ACIS-S-5	6.98	2481	-0.137	-0.003	0.014	0.021	0.000000	0.000000	-1818.43	164.20
3	GUIDE	152437568	8.20	4958	0.103	-0.090	0.072	0.114	345.940900	11.882679	1612.37	-1063.67
4	GUIDE	152838272	9.29	4958	-0.011	0.162	0.104	0.162	346.544098	12.704171	-1176.44	1275.00
5	GUIDE	152839144	8.06	4961	-0.081	-0.037	0.059	0.096	346.738025	12.623103	-835.57	1932.95
6	GUIDE	152841000	8.98	4957	-0.015	0.024	0.097	0.149	346.047738	12.829970	-1759.81	-428.29
7	GUIDE	152841288	8.34	4960	0.008	-0.065	0.061	0.100	345.551008	12.536885	-842.93	-2249.44

2.4 Star Slots

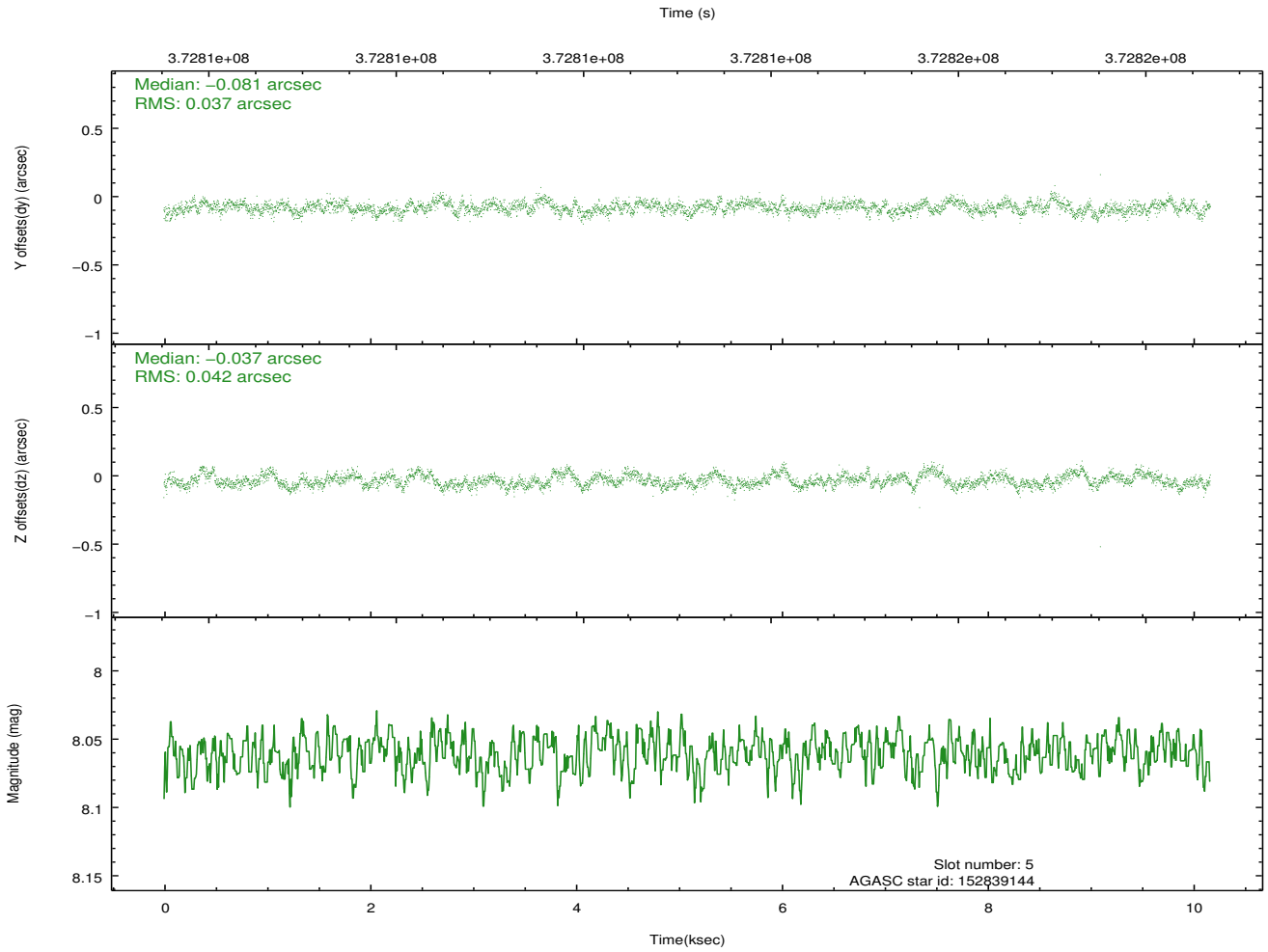
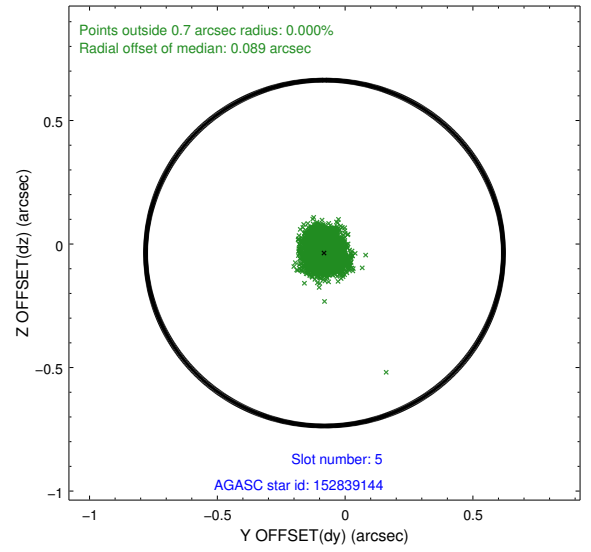
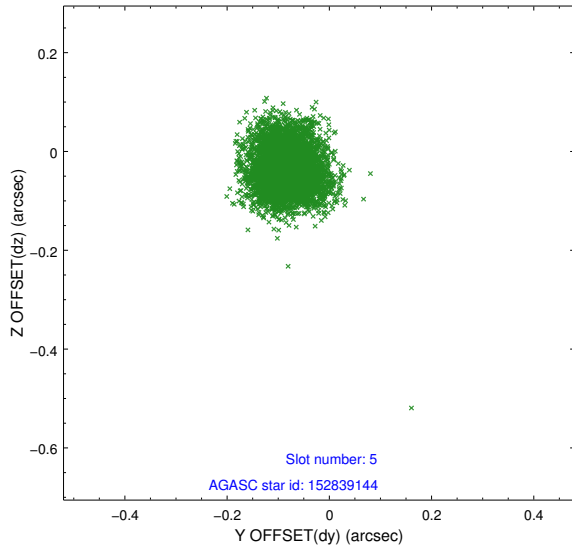
2.4.1 Slot 3



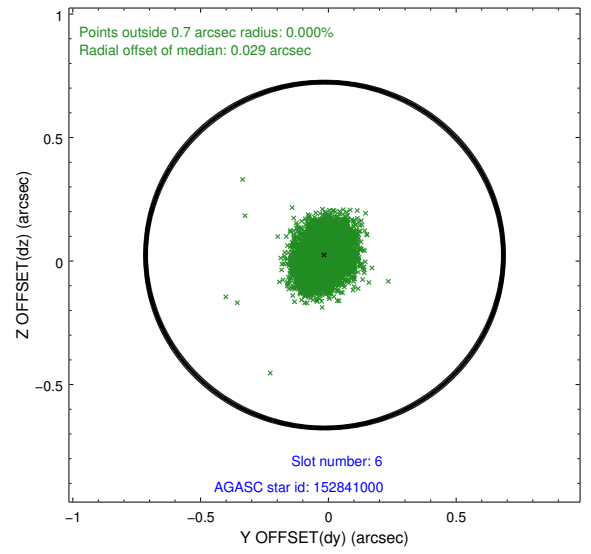
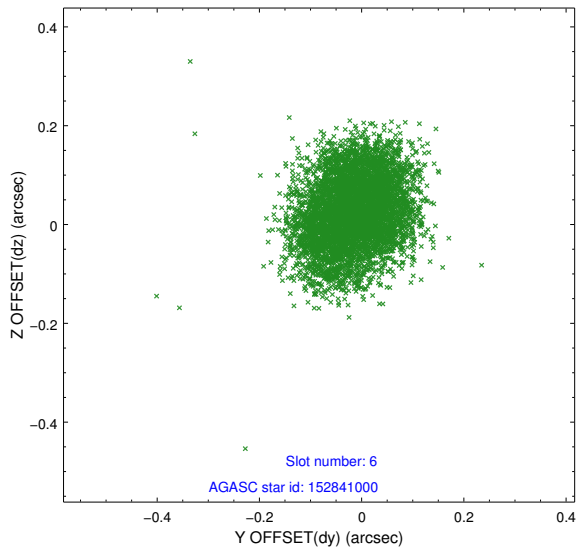
2.4.2 Slot 4



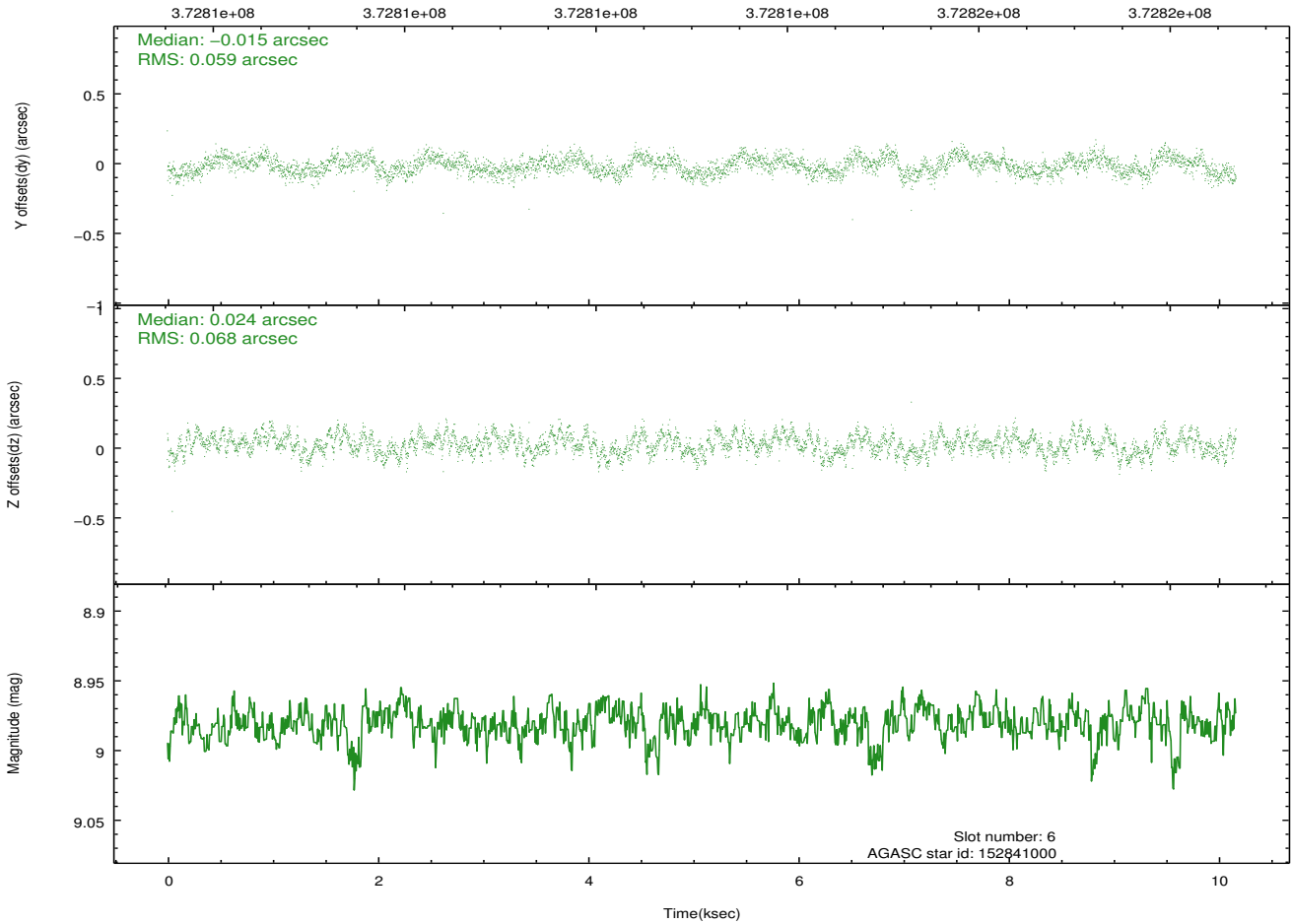
2.4.3 Slot 5



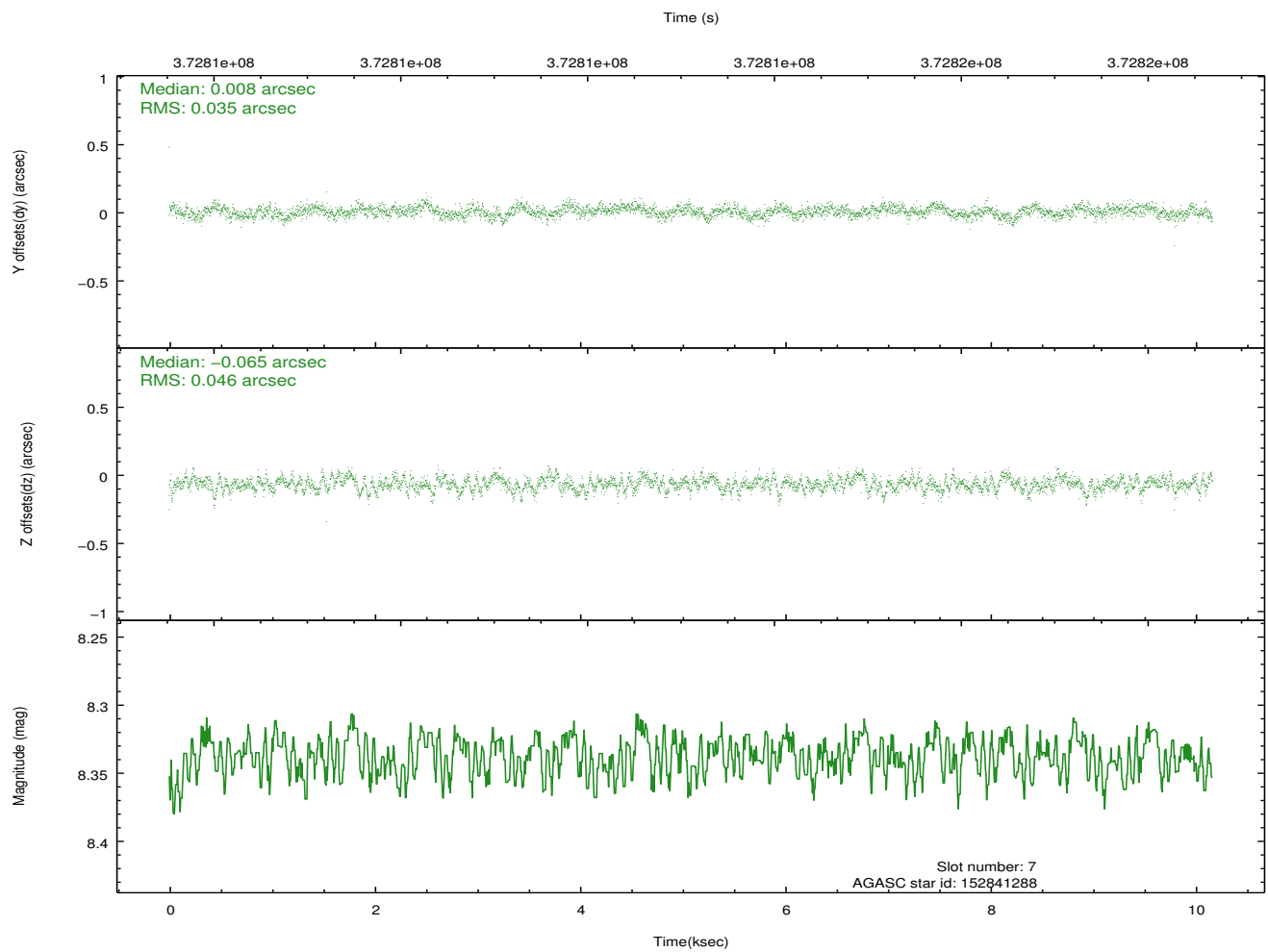
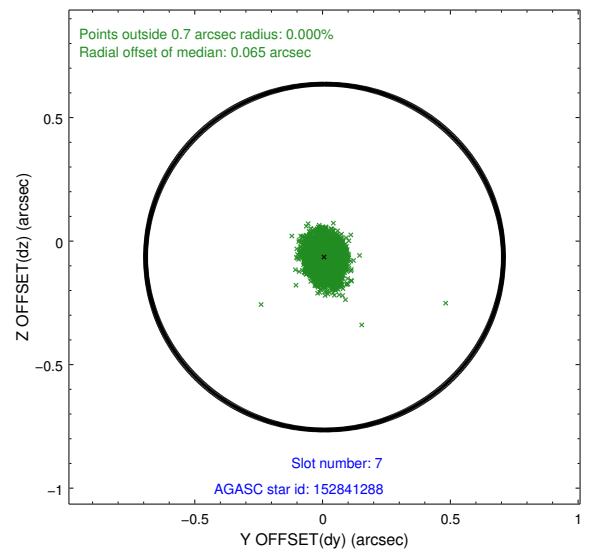
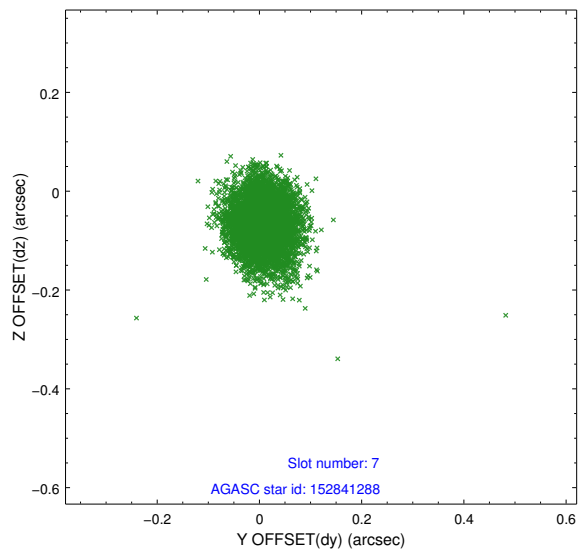
2.4.4 Slot 6



Time (s)

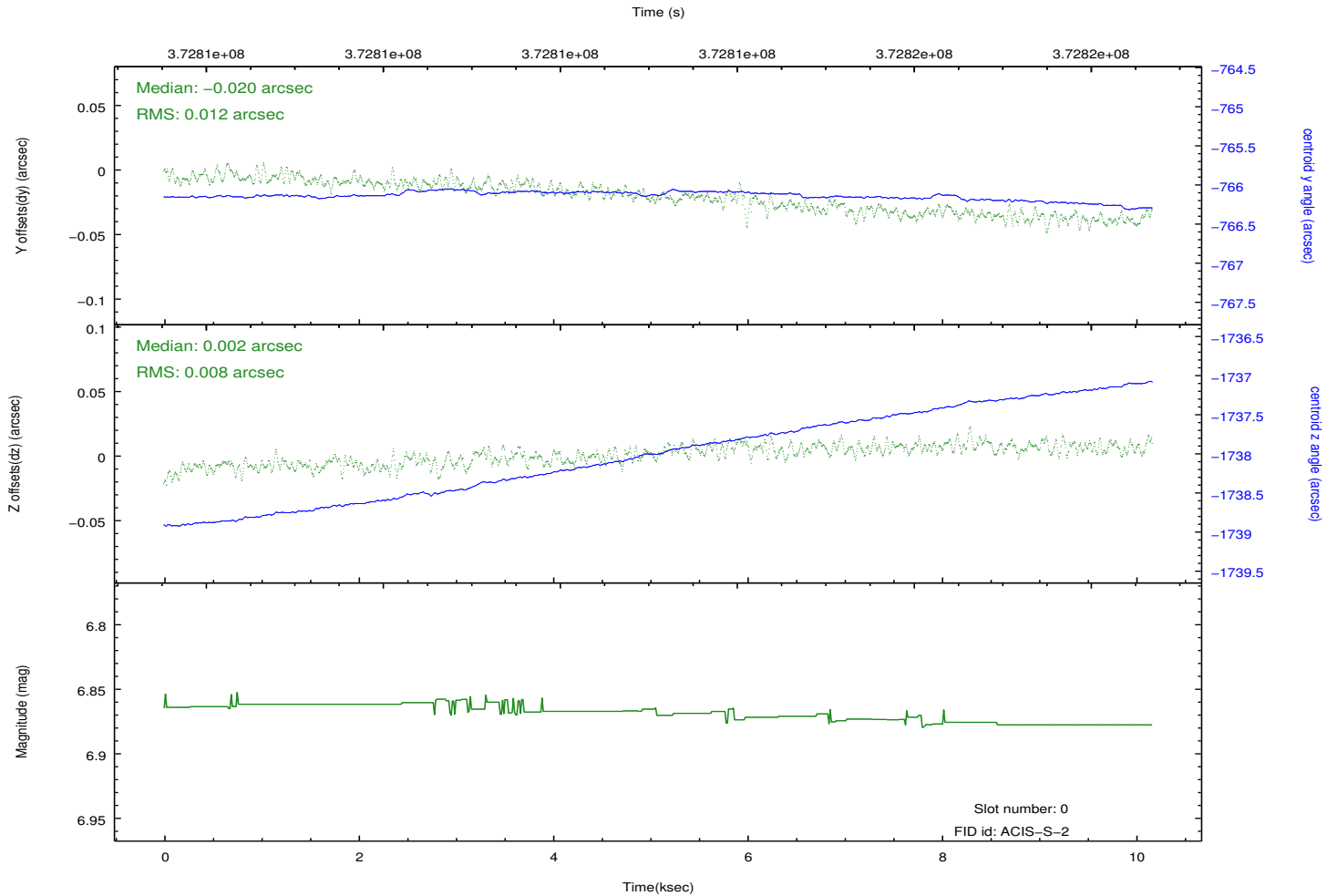
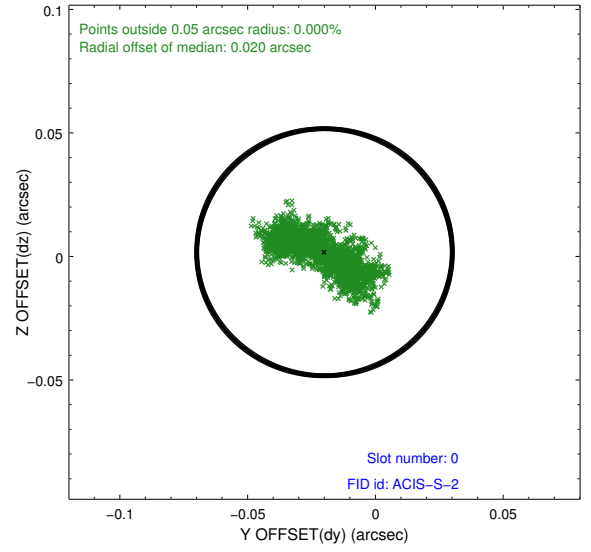
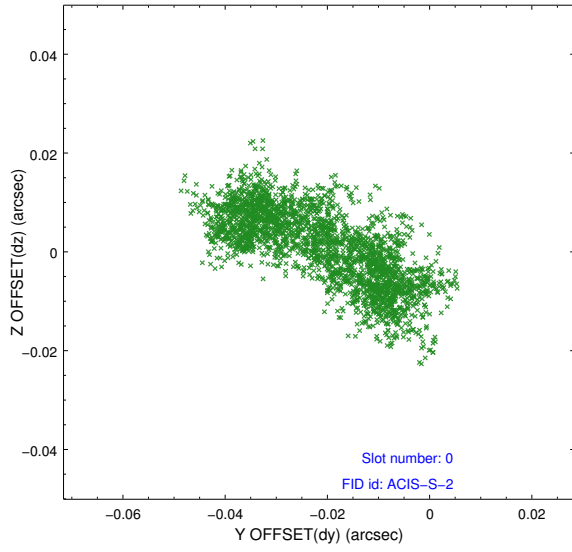


2.4.5 Slot 7

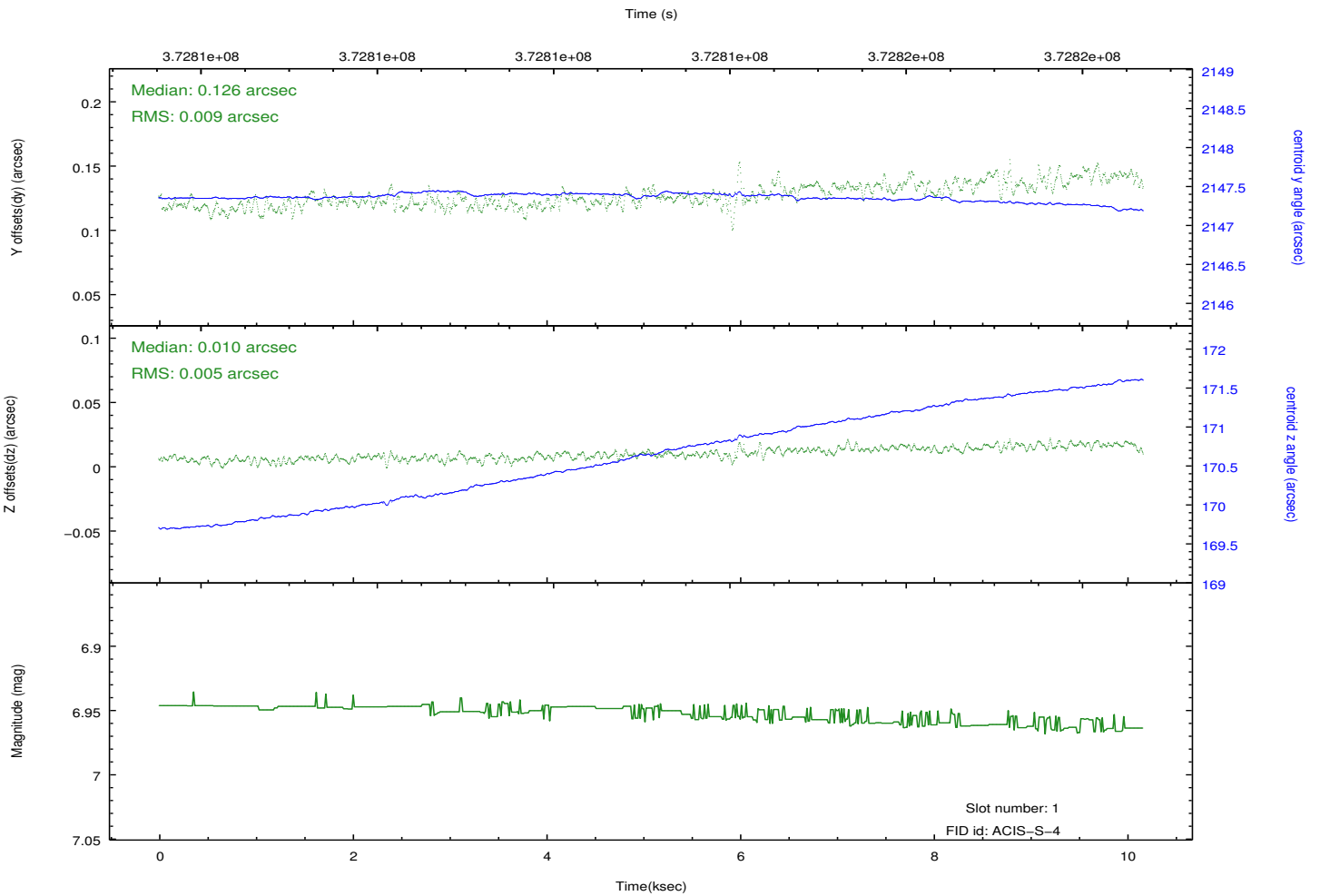
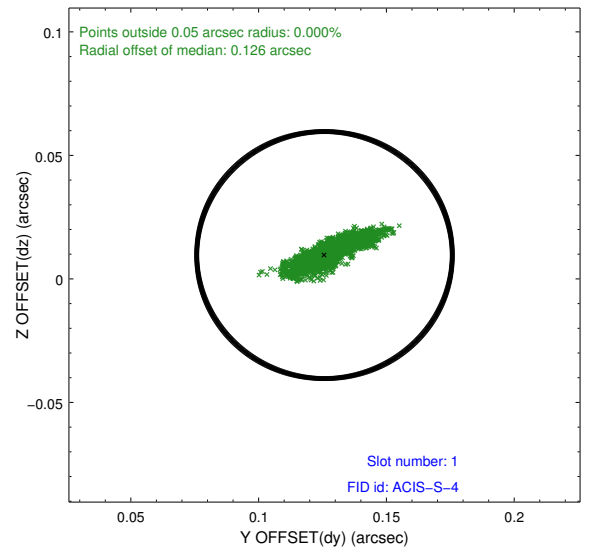
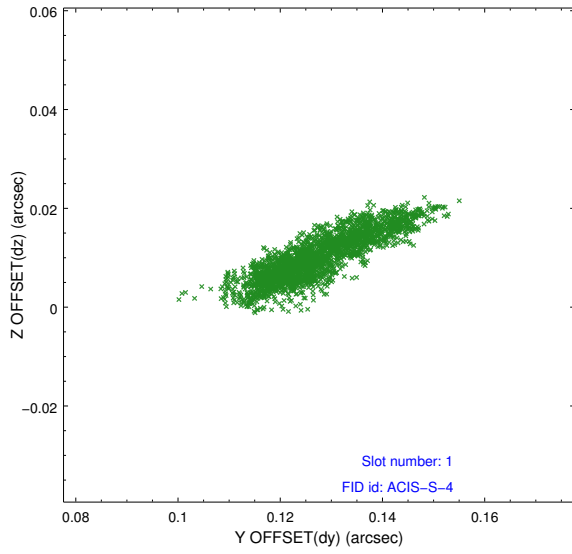


2.5 FID Slots

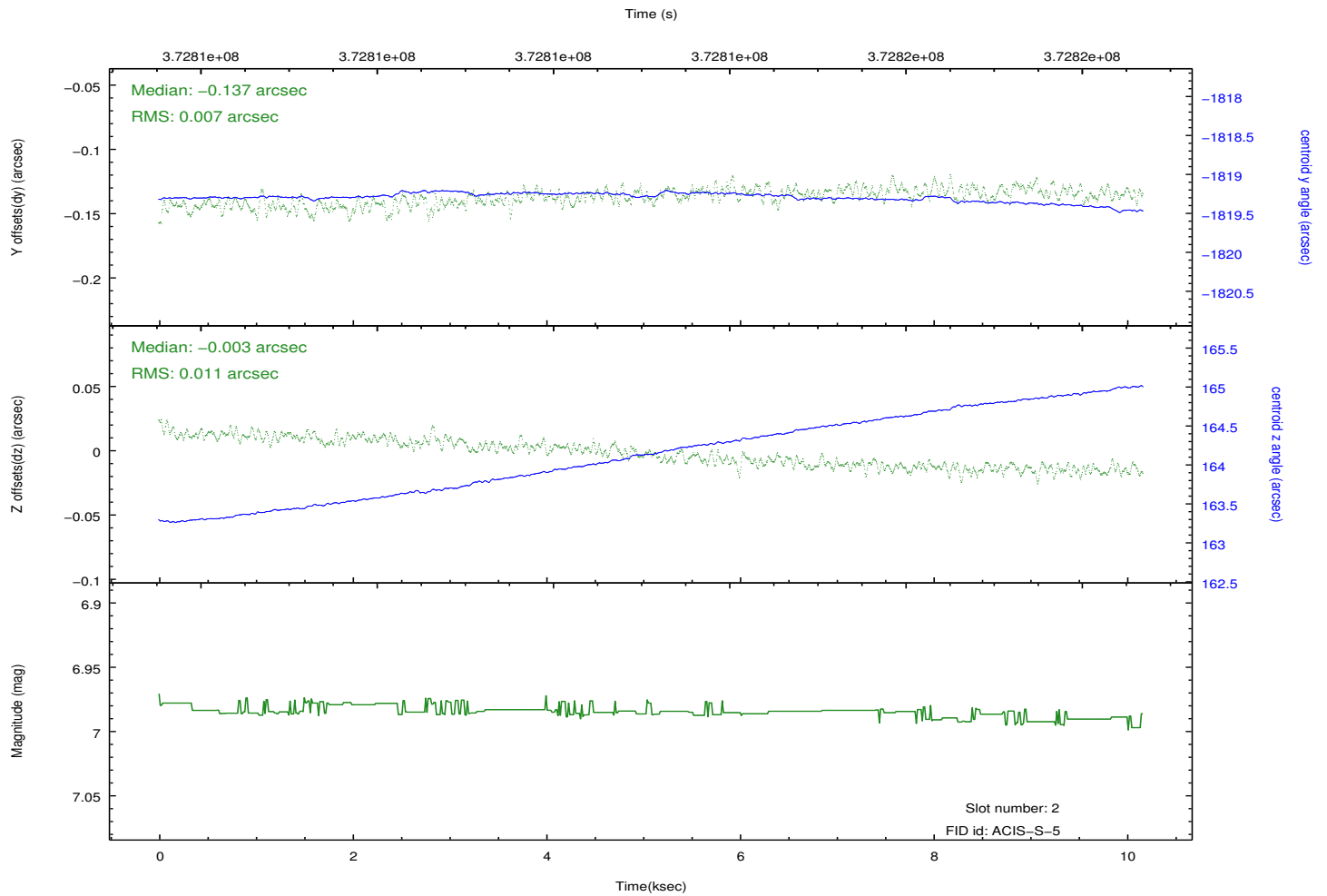
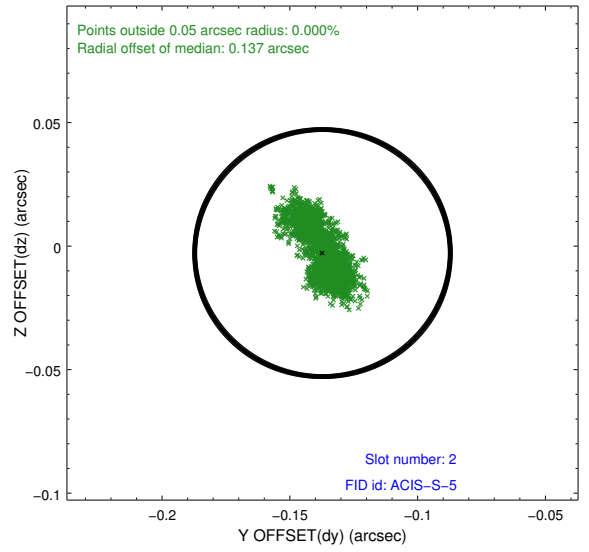
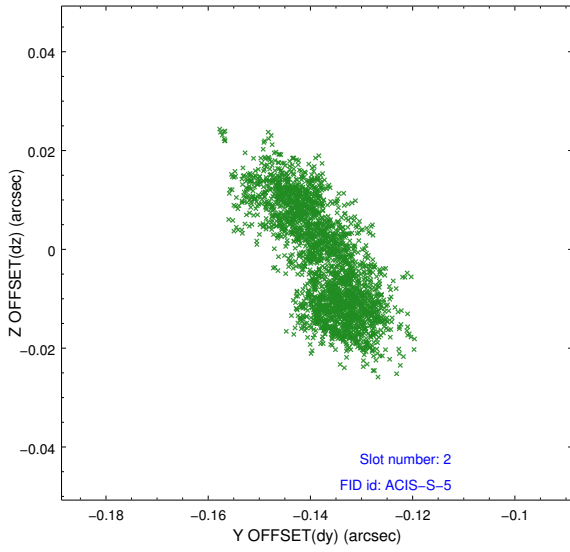
2.5.1 Slot 0



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)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.161800078154

A.2 Comments

Optional chip I2 dropped.