

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9026 - L2 Version 2
Chandra X-Ray Center

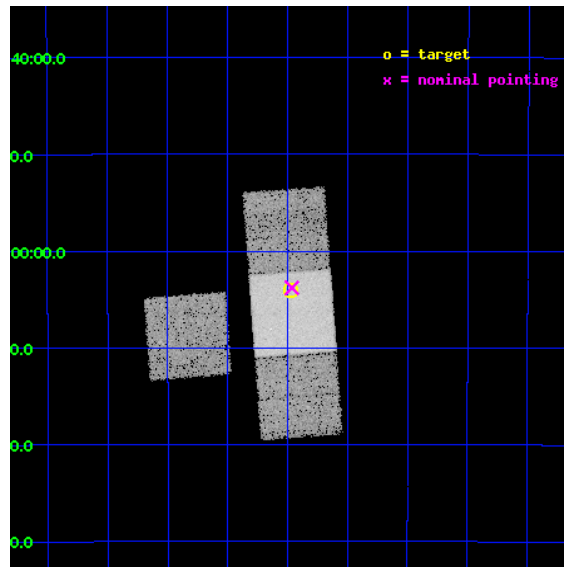
L2 Processing Date : May 7 2012

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1 Front

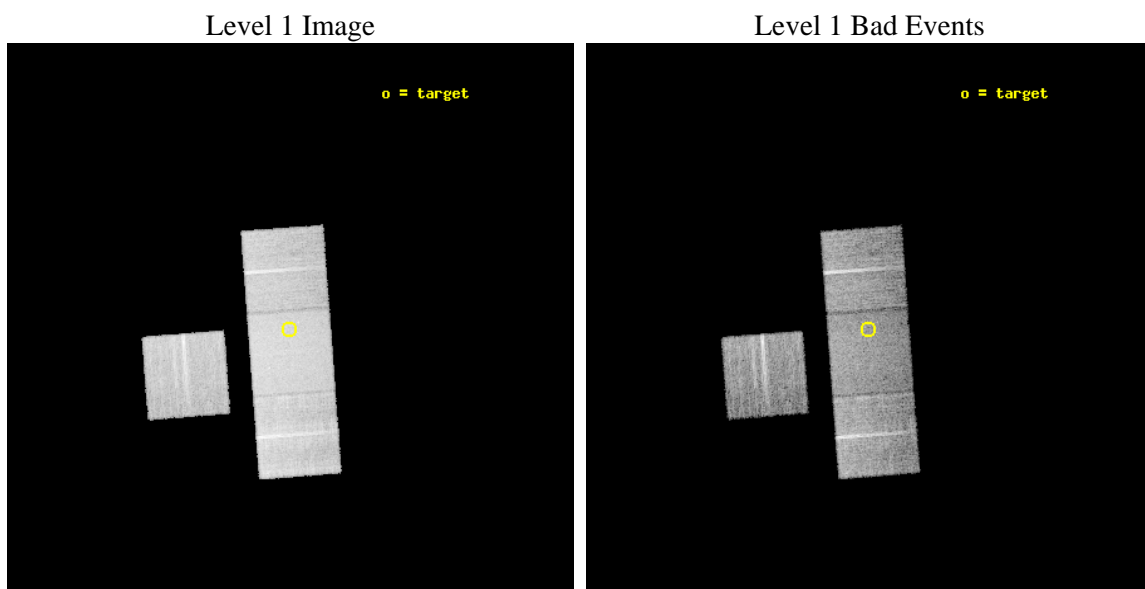
seq_num	400877	Sequence number
obs_id	9026	Observation id
title	The Nature of the Intermediate-Luminosity X-ray Sources in Globular Clusters	Proposal title
observer	Prof. Craig Heinke	Principal investigator
object	NGC 5824	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.99375	Observer's specified target RA [deg]
dec_targ	-33.06775	Observer's specified target Dec [deg]
ra_nom	225.99113448642	Nominal RA [deg]
dec_nom	-33.063485726794	Nominal Dec [deg]
roll_nom	85.705075010278	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10846.900083423	Sum of GTIs [s]
livetime	10705.177348461	Livetime [s]
ontime3	10840.618172646	Sum of GTIs [s]
ontime6	10846.900083423	Sum of GTIs [s]
ontime7	10846.900083423	Sum of GTIs [s]
ontime8	10846.900083423	Sum of GTIs [s]
l2events	99405	Number of level 2 events



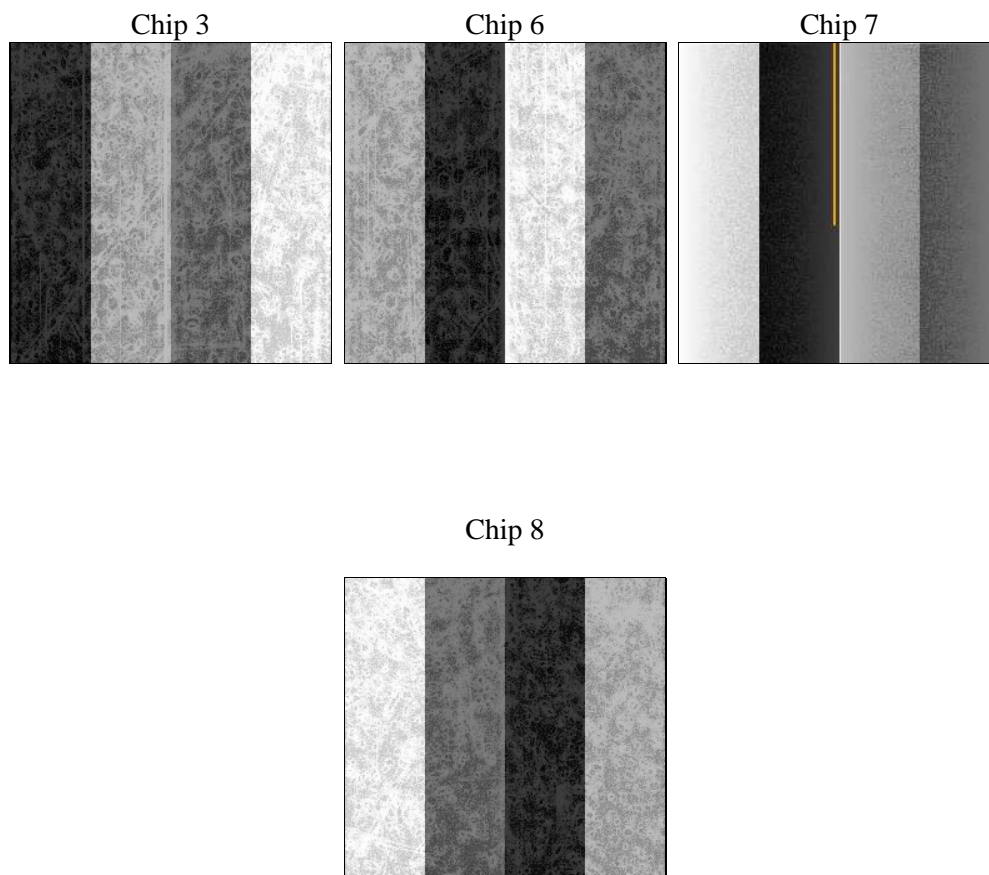
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10846.900083423	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	10840.618172646	Sum of GTIs [s]
date	2012-05-07T14:50:24	Date and time of file creation	ontime6	10846.900083423	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10846.900083423	Sum of GTIs [s]
			ontime8	10846.900083423	Sum of GTIs [s]
			l1events	522964	Number of level 1 events

2.1.4 Events

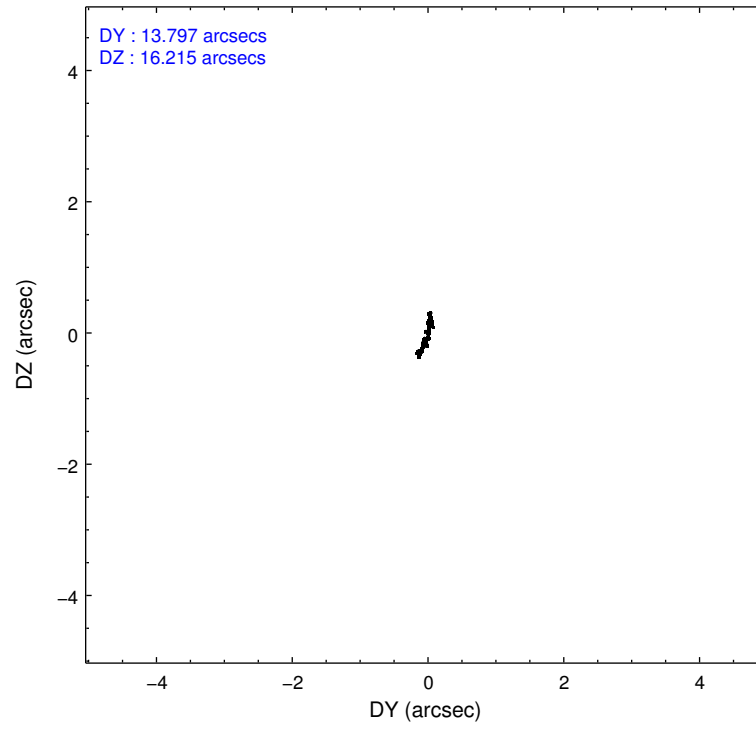
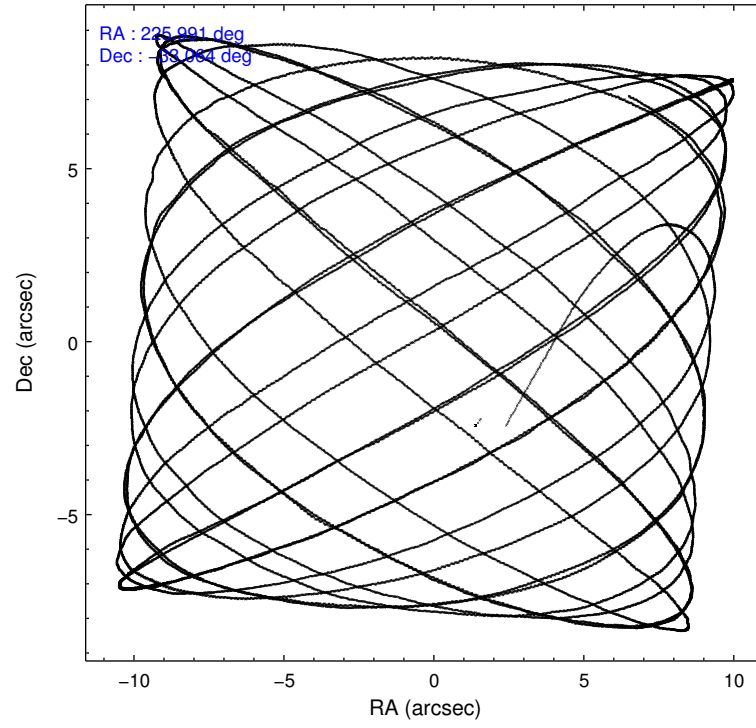
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	110544	114245	155810	142365
rejected events	97382	100629	92569	110387
rejected %	88%	88%	59%	77%

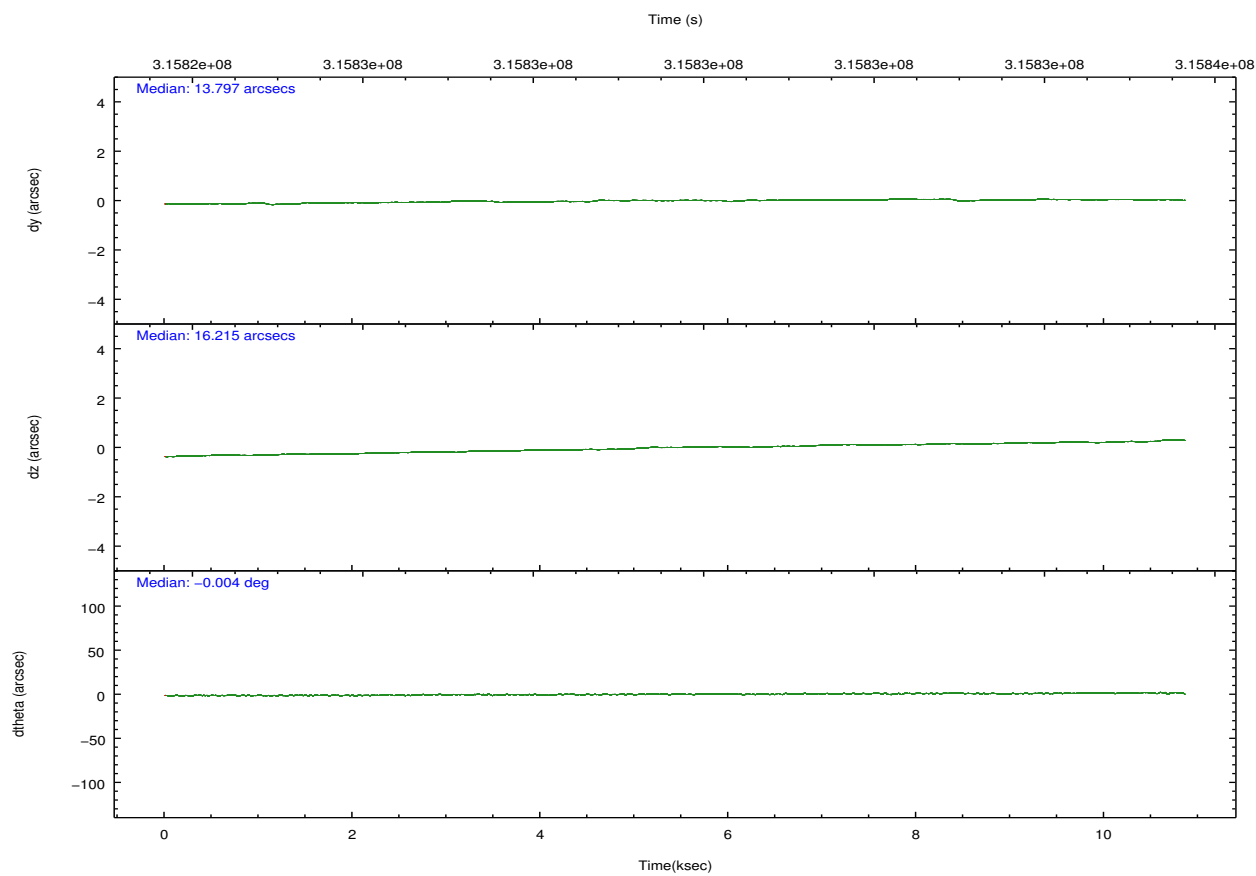
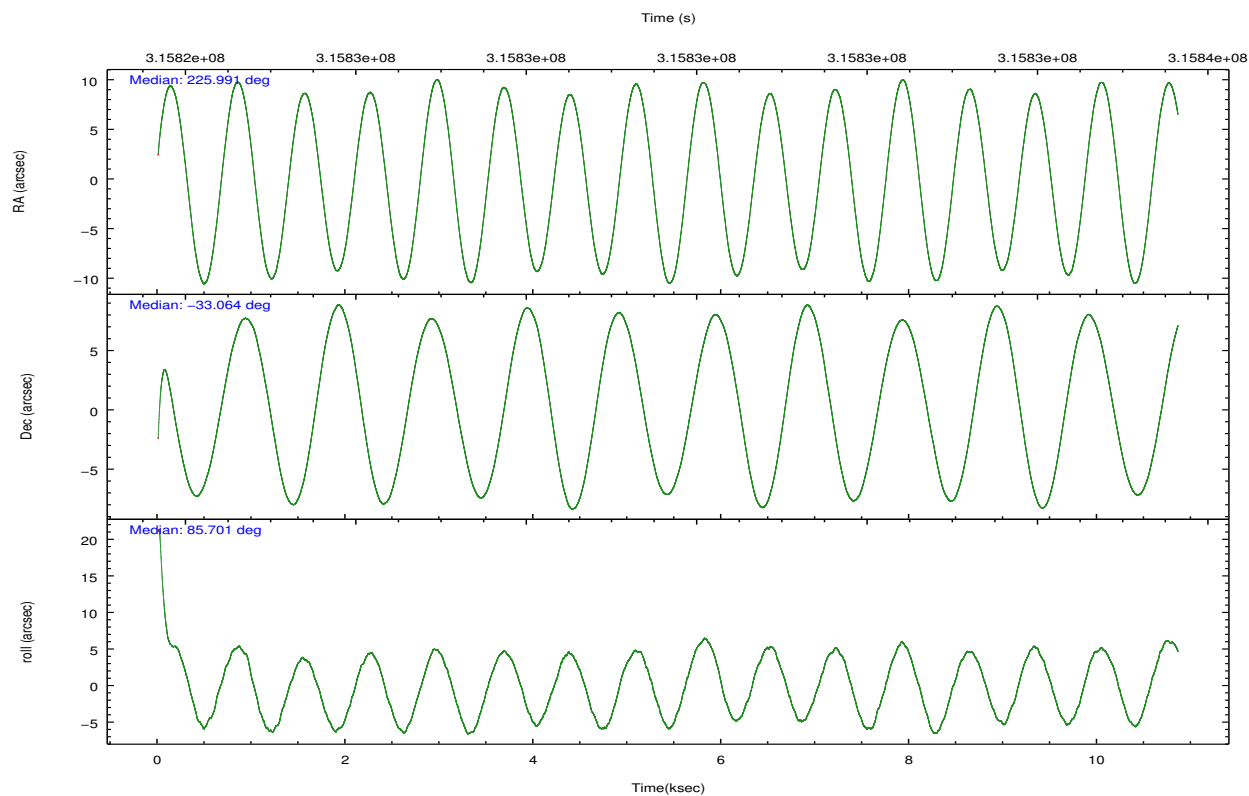
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6147	5651	5804	10431
	5%	4%	3%	7%
grade 1 events	83	72	134	86
	0%	0%	0%	0%
grade 2 events	2589	3082	13357	7538
	2%	2%	8%	5%
grade 3 events	1265	1273	5581	3380
	1%	1%	3%	2%
grade 4 events	1330	1296	5605	3152
	1%	1%	3%	2%
grade 5 events	5267	5385	14508	7095
	4%	4%	9%	4%
grade 6 events	2320	2781	35232	8744
	2%	2%	22%	6%
grade 7 events	91543	94705	75589	101939
	82%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	226.005650	225.9911344864235	CCD I2 on	N	N
[deg] Pointing Dec	-33.087919	-33.06348572679425	CCD I3 on	O1	Y
[deg] Pointing Roll	85.556351	85.70507501027767	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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)	315824392.184000	315823275.90445	CCD S5 on	N	N
Observation start date	2008-01-04T08:58:47	2008-01-04T08:41:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315835092.184000	315835629.71754	On-chip summing requested	N	N
Observation end date	2008-01-04T11:57:07	2008-01-04T12:07:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



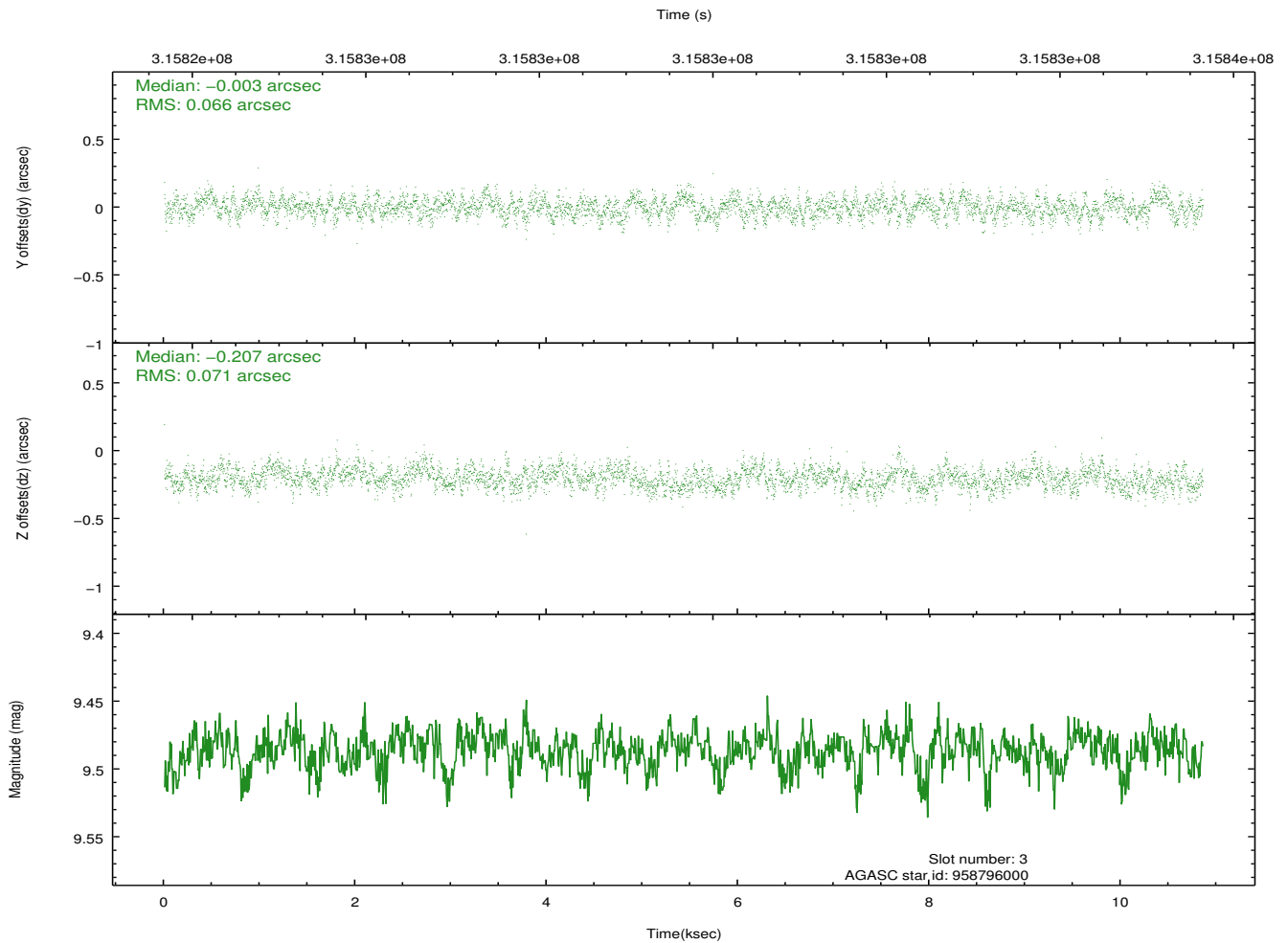
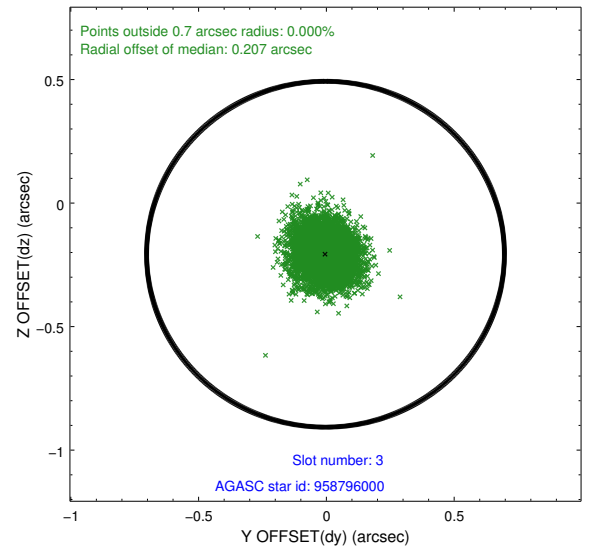
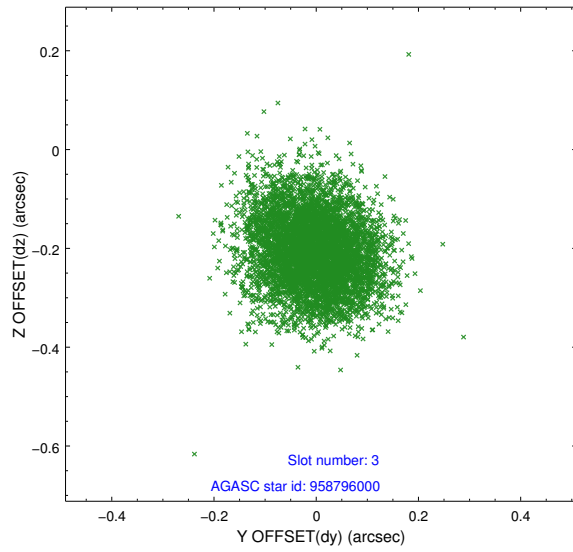


Slot Statistics

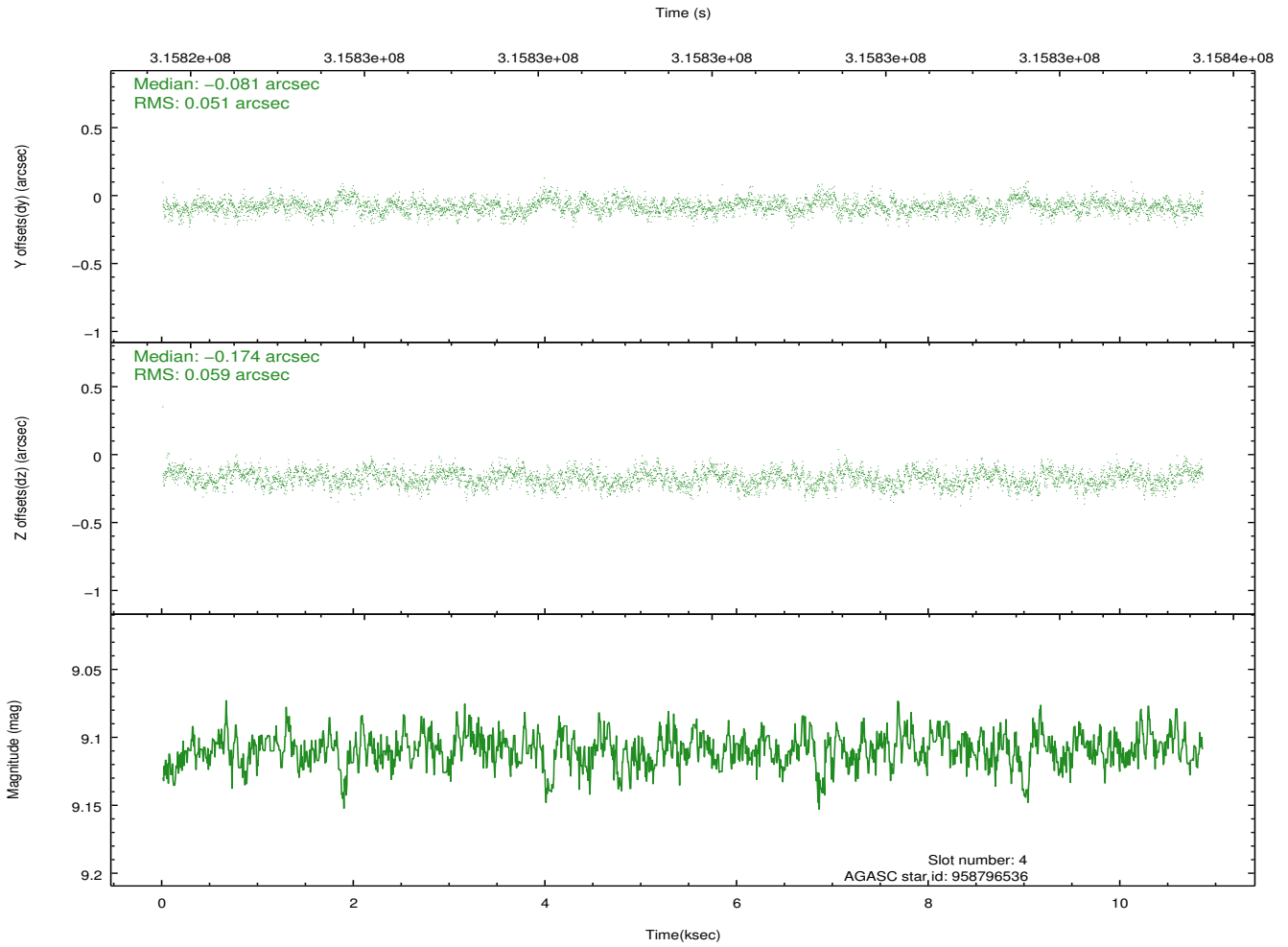
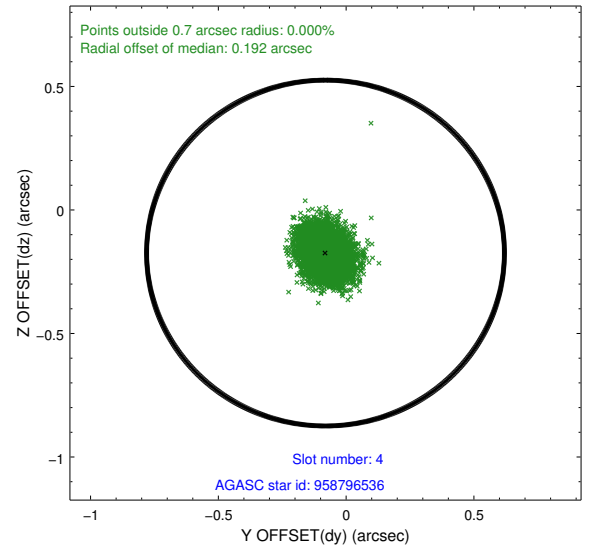
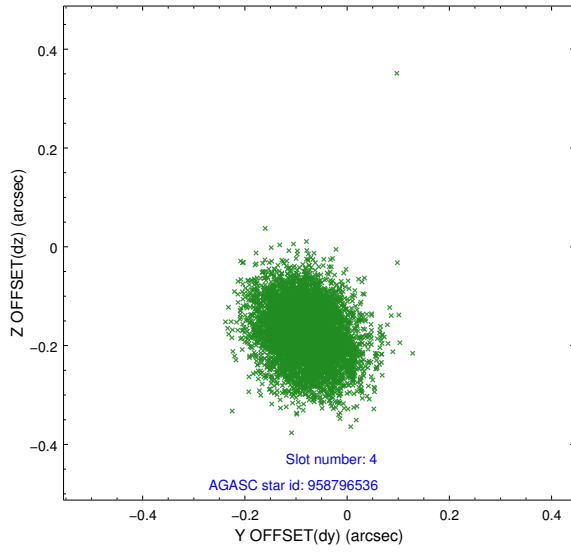
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2648	-0.050	-0.023	0.009	0.015	0.000000	0.000000	-766.75	-1737.62
1	FID	ACIS-S-4	7.19	2648	0.174	0.030	0.013	0.024	0.000000	0.000000	2146.53	170.43
2	FID	ACIS-S-5	7.22	2648	-0.158	0.001	0.010	0.016	0.000000	0.000000	-1819.10	164.60
3	GUIDE	958796000	9.49	5289	-0.003	-0.207	0.105	0.163	225.357970	-32.698163	1240.96	2064.58
4	GUIDE	958796536	9.11	5294	-0.081	-0.174	0.082	0.133	225.581304	-32.984988	267.73	1306.62
5	GUIDE	958801976	8.56	5294	-0.020	0.255	0.079	0.130	226.637100	-32.616940	1833.30	-1777.38
6	GUIDE	958805928	7.79	5296	0.240	0.234	0.067	0.105	226.177538	-33.612033	-1840.78	-660.12
7	GUIDE	958798240	9.04	5291	-0.139	-0.109	0.078	0.124	225.501477	-32.513165	1939.89	1686.53

2.4 Star Slots

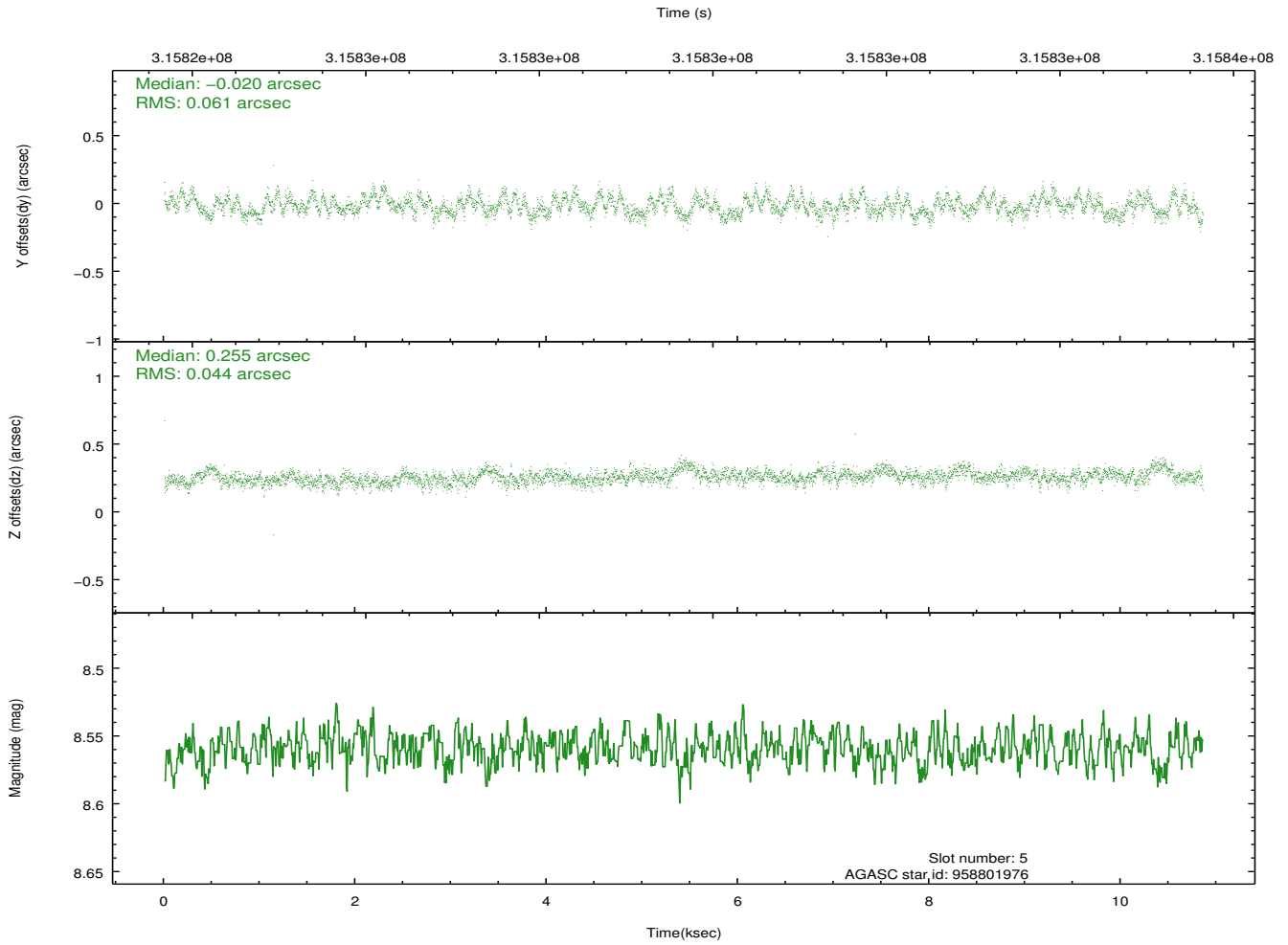
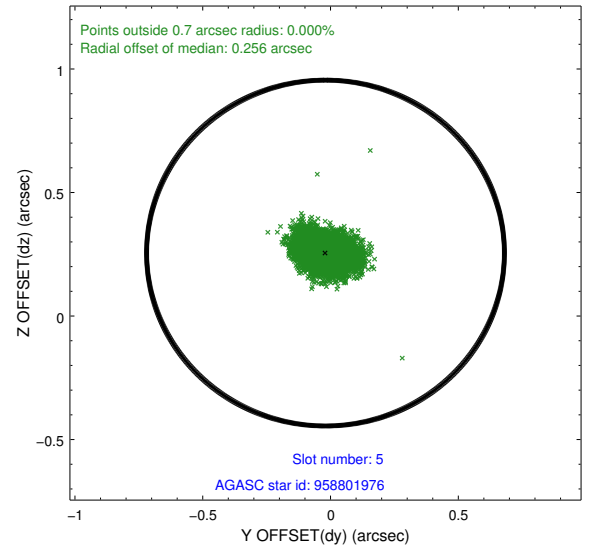
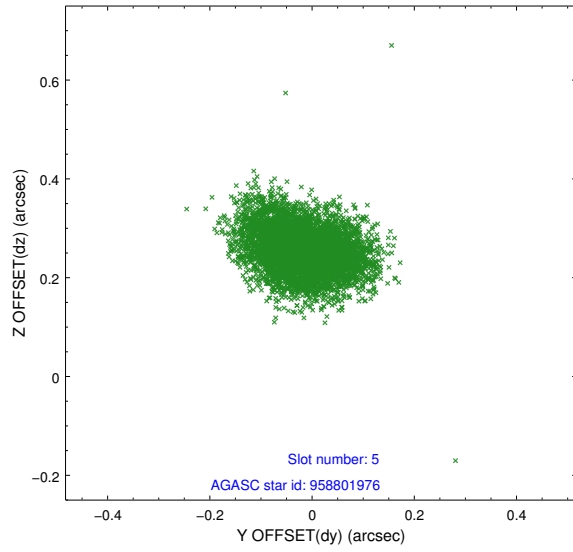
2.4.1 Slot 3



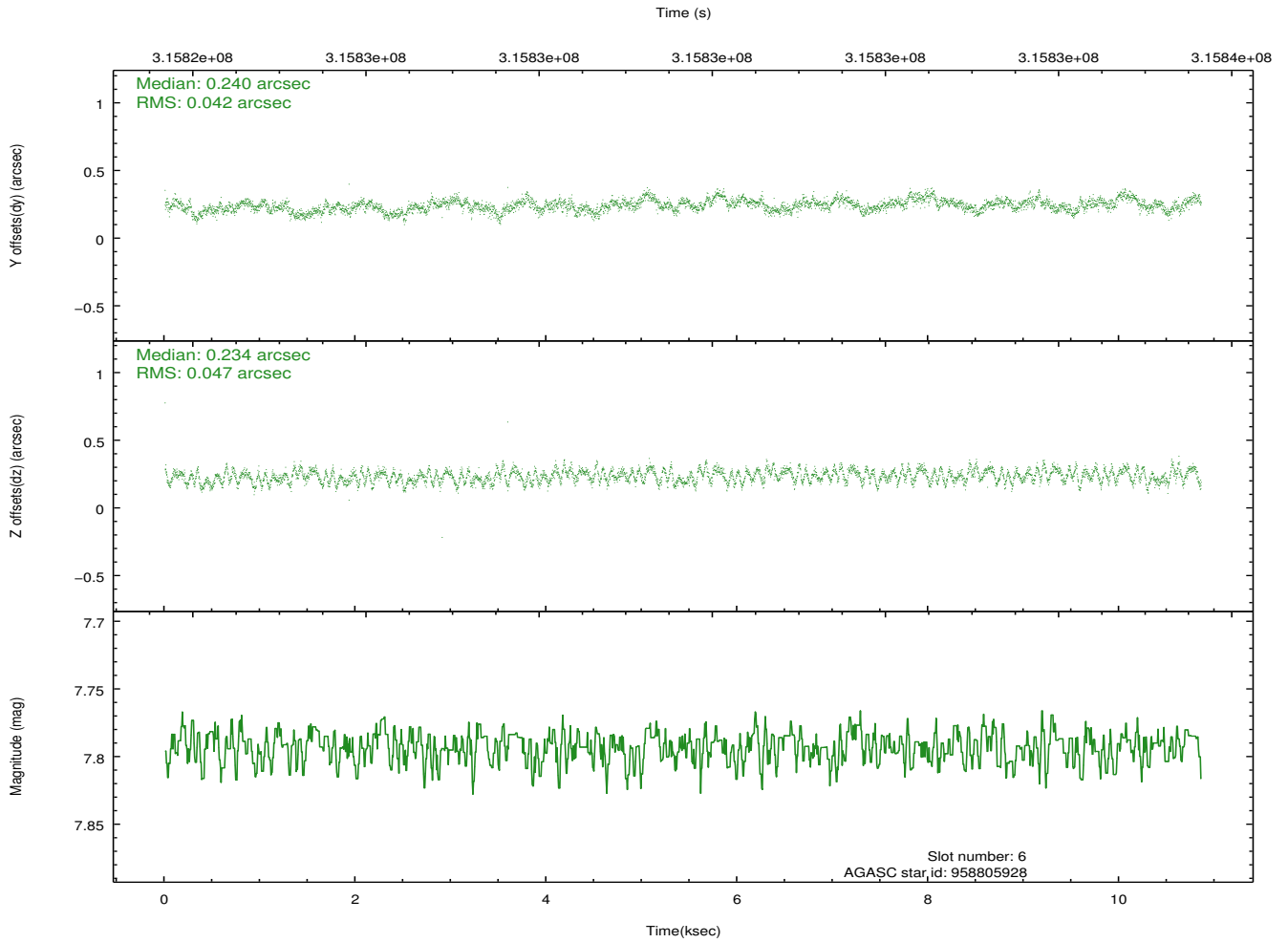
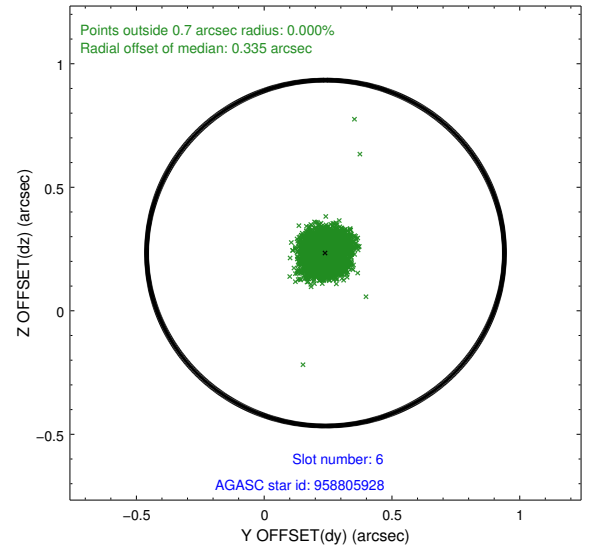
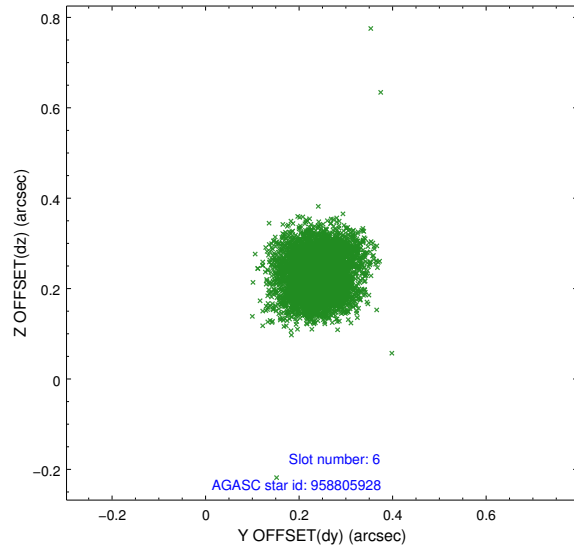
2.4.2 Slot 4



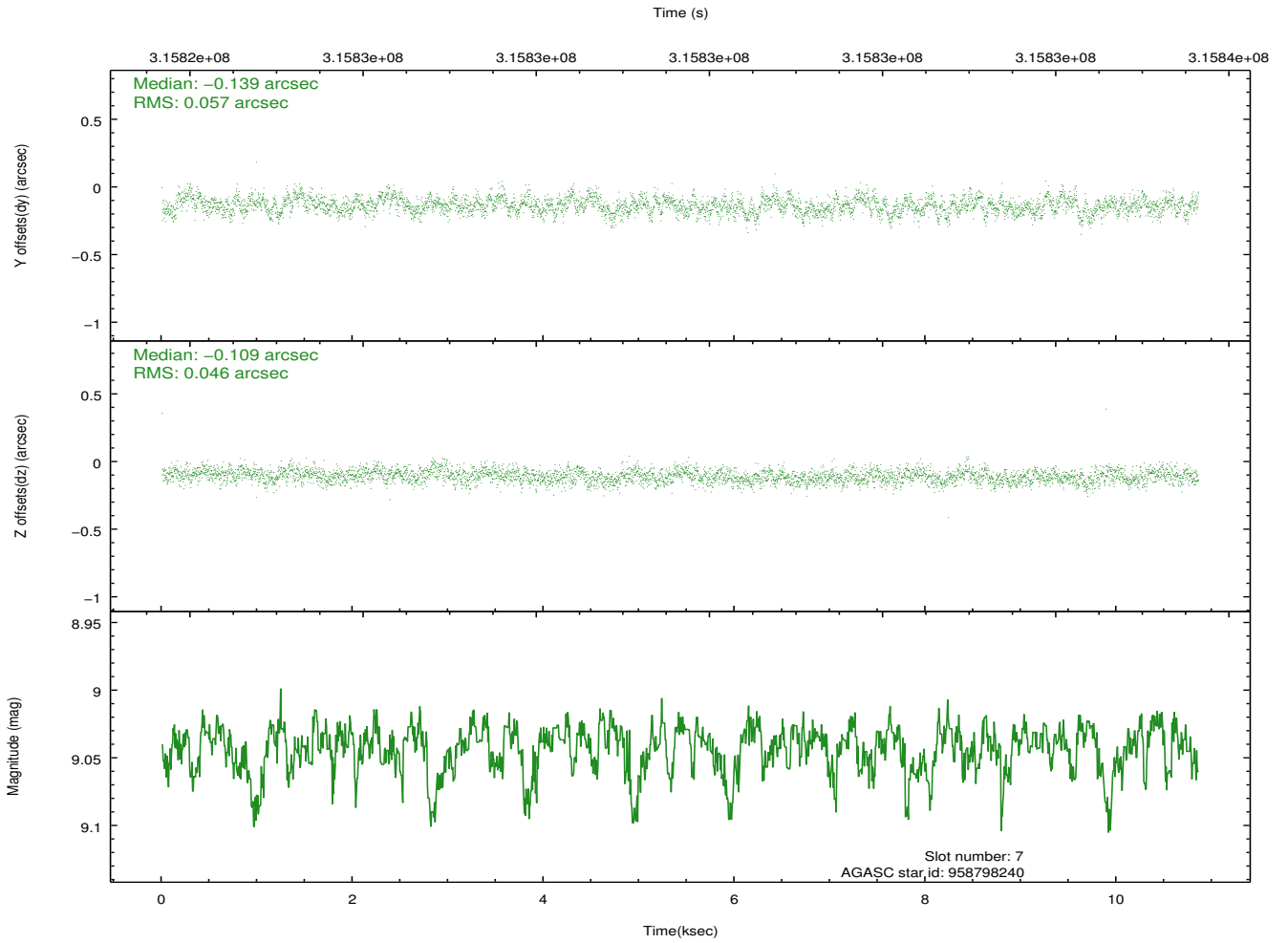
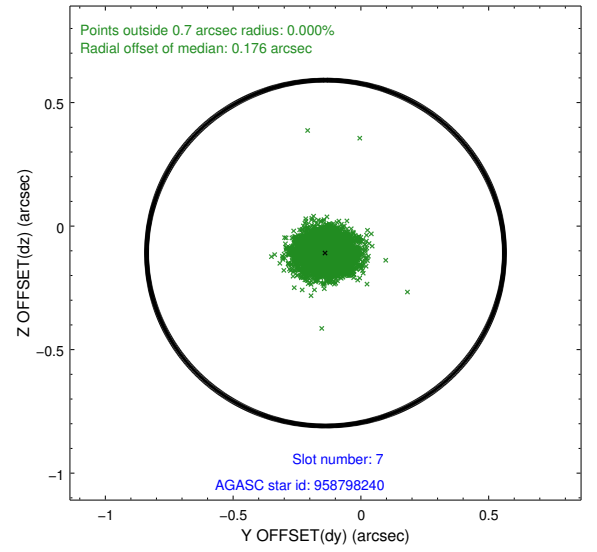
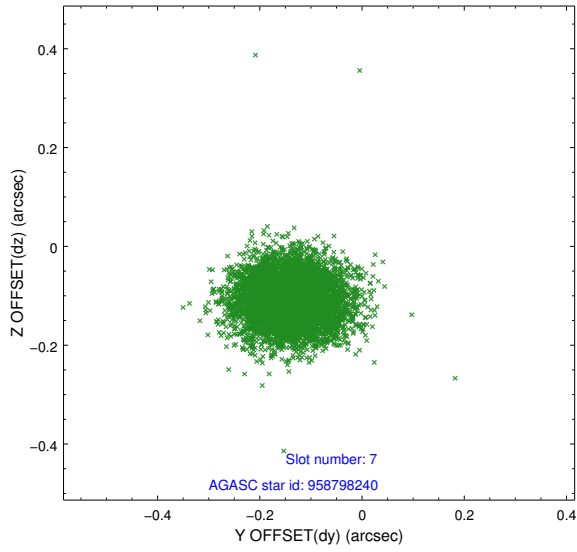
2.4.3 Slot 5



2.4.4 Slot 6

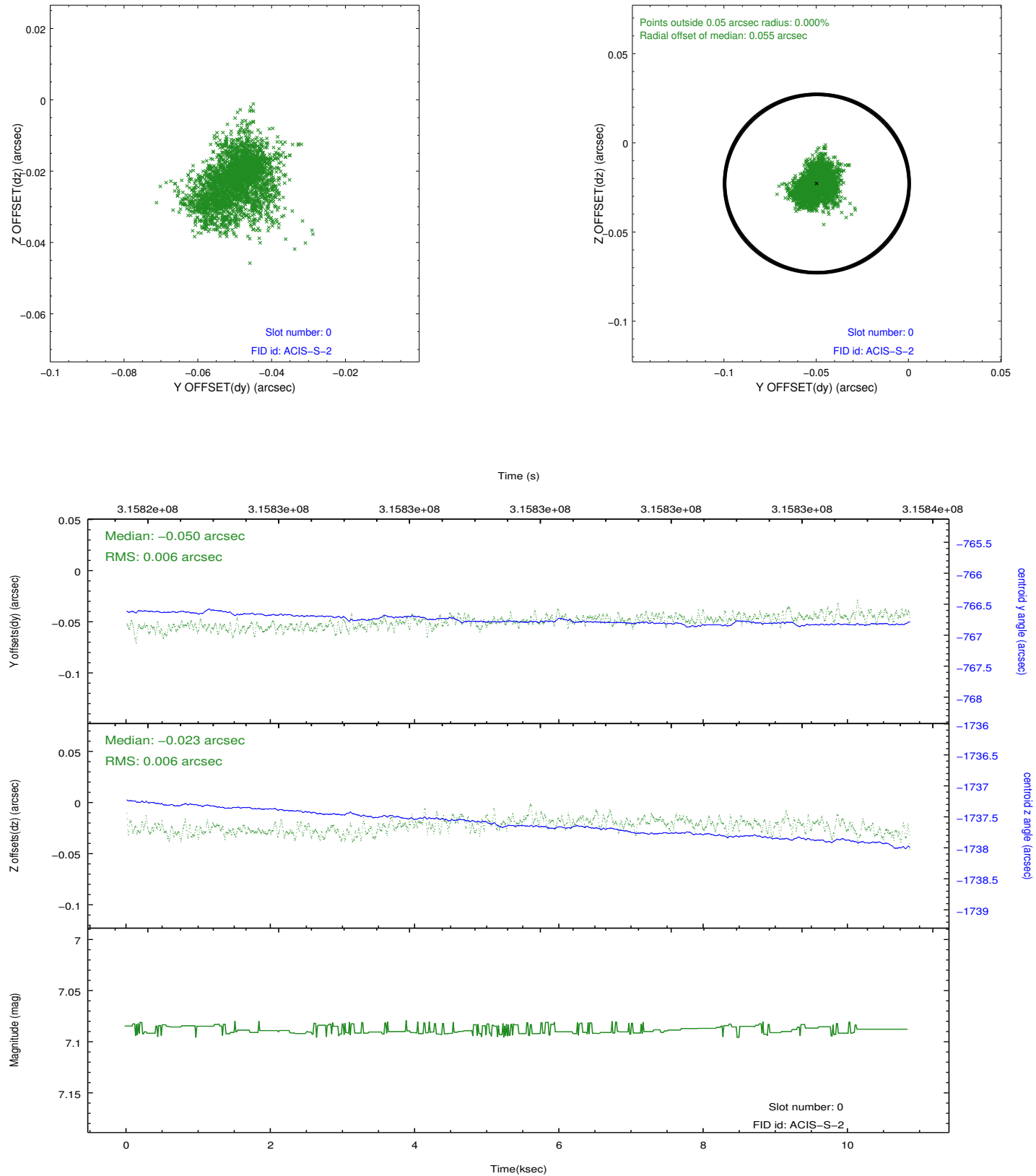


2.4.5 Slot 7

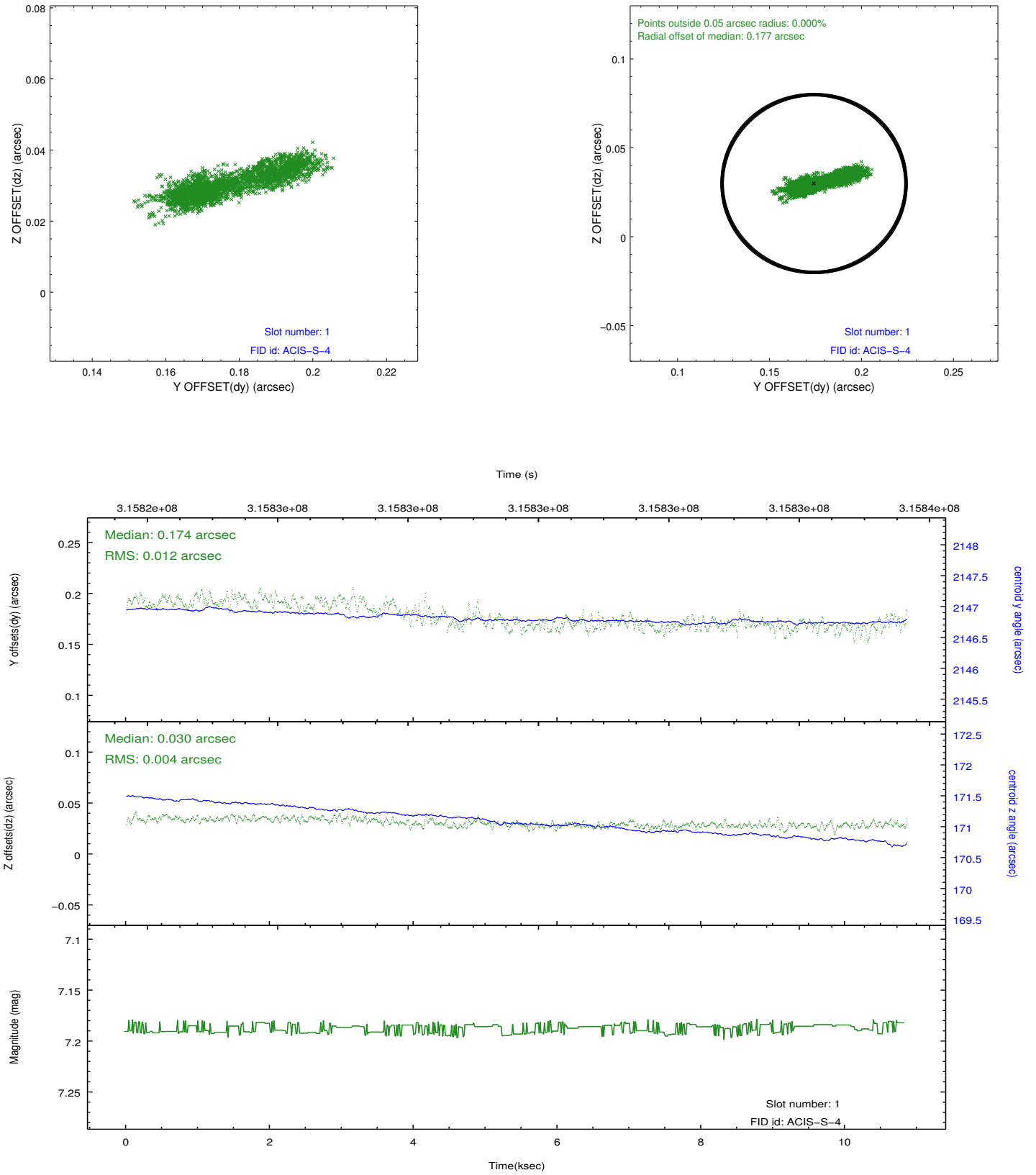


2.5 FID Slots

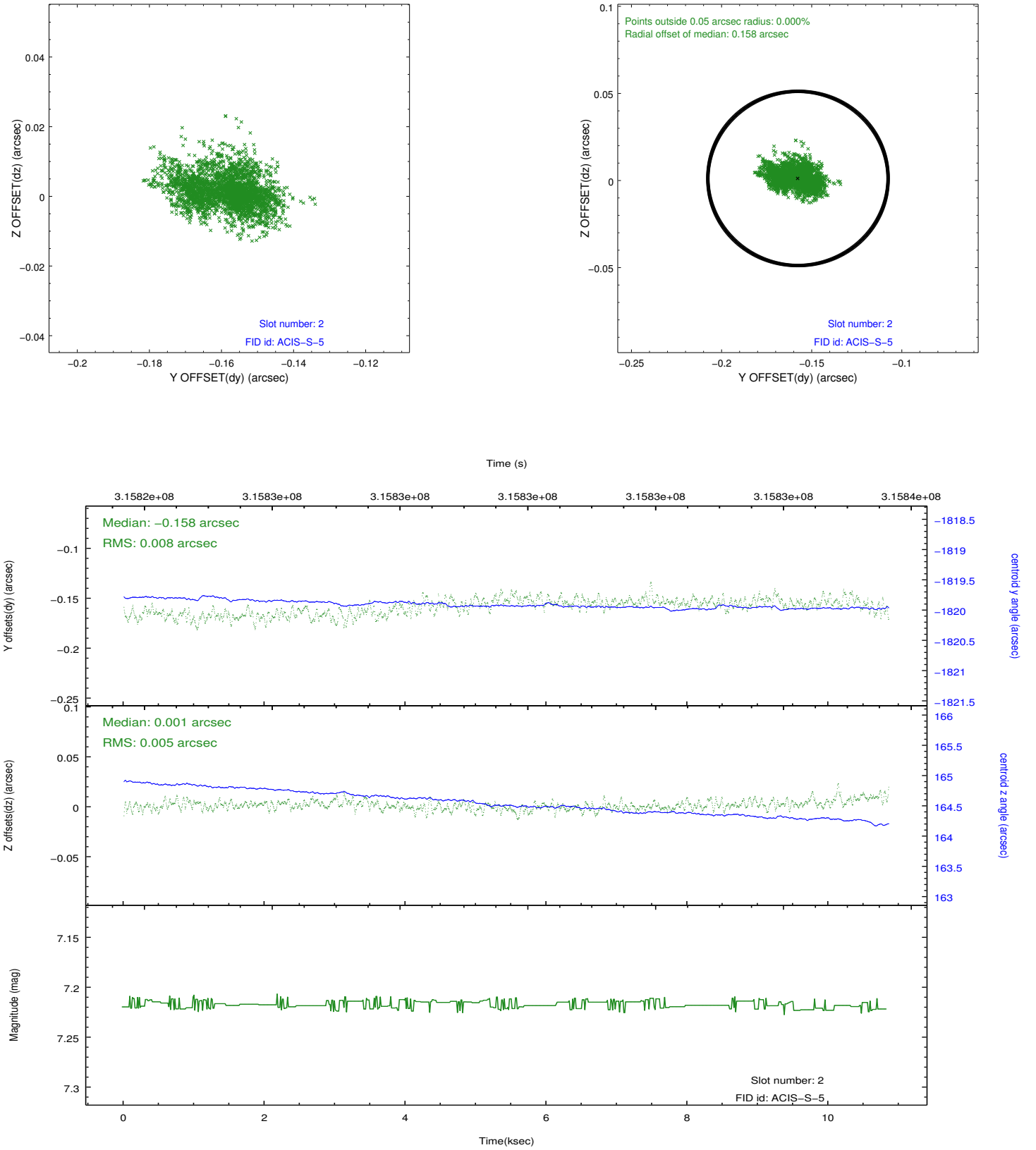
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.8469

A.2 Comments