

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 19348 - L2 Version 1
Chandra X-Ray Center

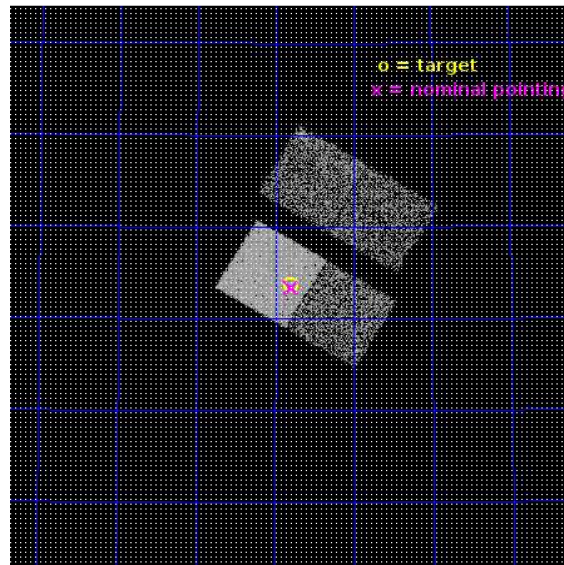
L2 Processing Date : May 31 2017

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1 Front

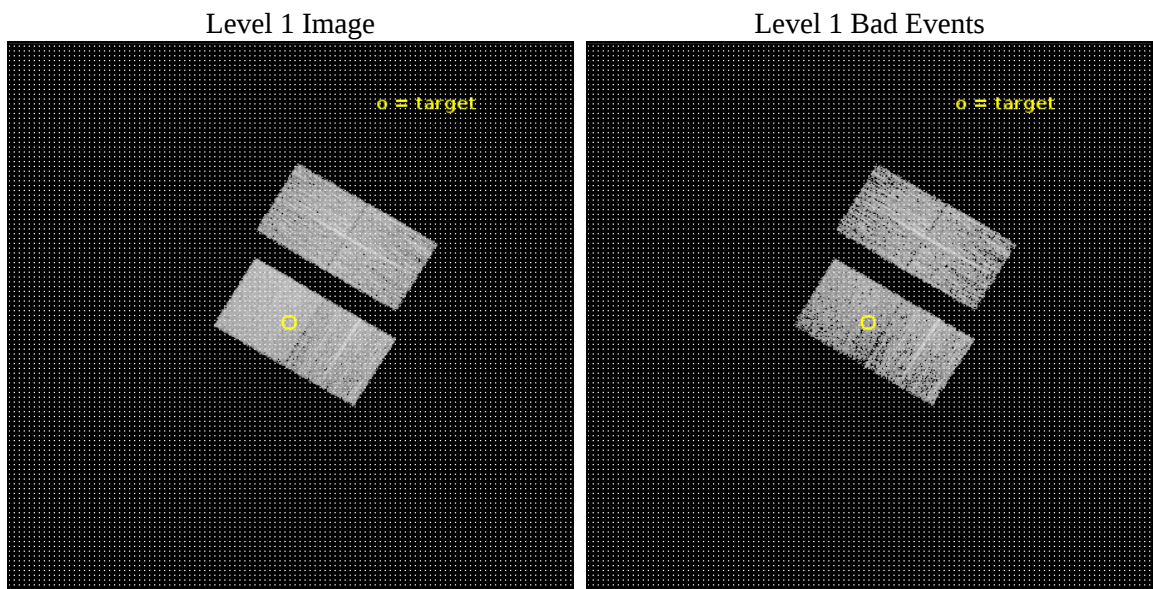
seq_num	601305	Sequence number
obs_id	19348	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 5585	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.950833	Observer's specified target RA [deg]
dec_targ	56.729056	Observer's specified target Dec [deg]
ra_nom	214.94849141923	Nominal RA [deg]
dec_nom	56.722987708088	Nominal Dec [deg]
roll_nom	210.99186962637	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4789.5000369549	Sum of GTIs [s]
livetime	4726.9216929934	Livetime [s]
ontime2	4789.5000369549	Sum of GTIs [s]
ontime3	4789.5000369549	Sum of GTIs [s]
ontime6	4789.5000369549	Sum of GTIs [s]
ontime7	4789.5000369549	Sum of GTIs [s]
l2events	28253	Number of level 2 events



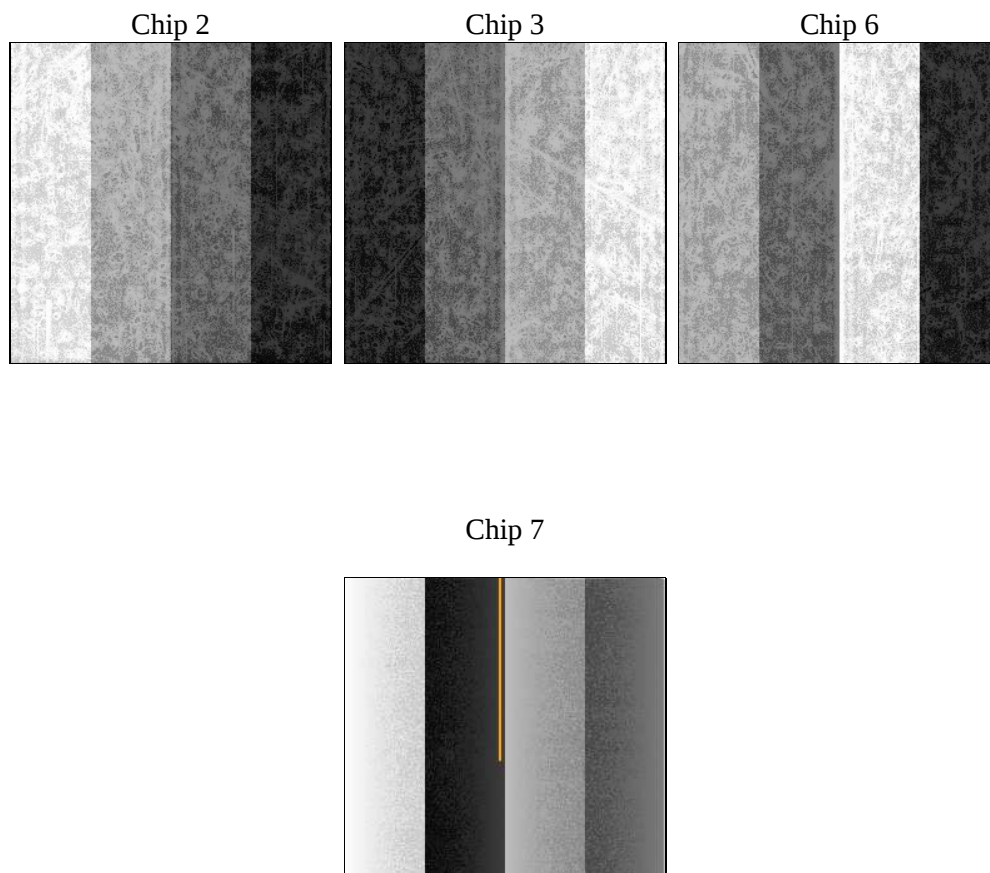
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	4789.5000369549	Sum of GTIs [s]
caldbver	4.7.4	 	ontime2	4789.5000369549	Sum of GTIs [s]
date	2017-05-31T22:39:44	Date and time of file creation	ontime3	4789.5000369549	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4789.5000369549	Sum of GTIs [s]
			ontime7	4789.5000369549	Sum of GTIs [s]
			l1events	142002	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33156	32580	33028	43238
rejected events	29586	28951	29004	24102
rejected %	89%	88%	87%	55%

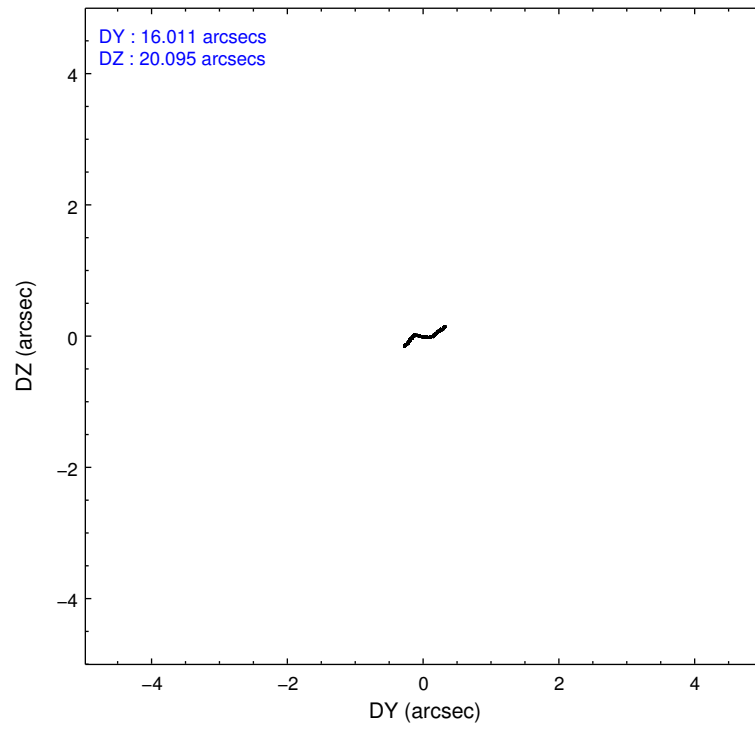
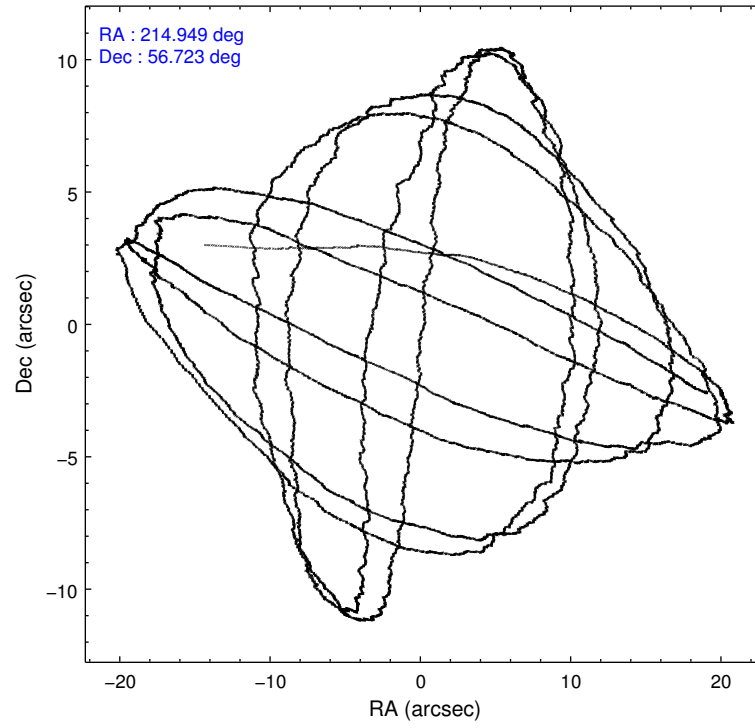
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1266	1377	1426	1665
	3%	4%	4%	3%
grade 1 events	16	24	20	73
	0%	0%	0%	0%
grade 2 events	966	783	917	4003
	2%	2%	2%	9%
grade 3 events	314	357	375	1549
	0%	1%	1%	3%
grade 4 events	348	382	391	1581
	1%	1%	1%	3%
grade 5 events	1310	1604	1586	4353
	3%	4%	4%	10%
grade 6 events	683	731	920	10365
	2%	2%	2%	23%
grade 7 events	28253	27322	27393	19649
	85%	83%	82%	45%

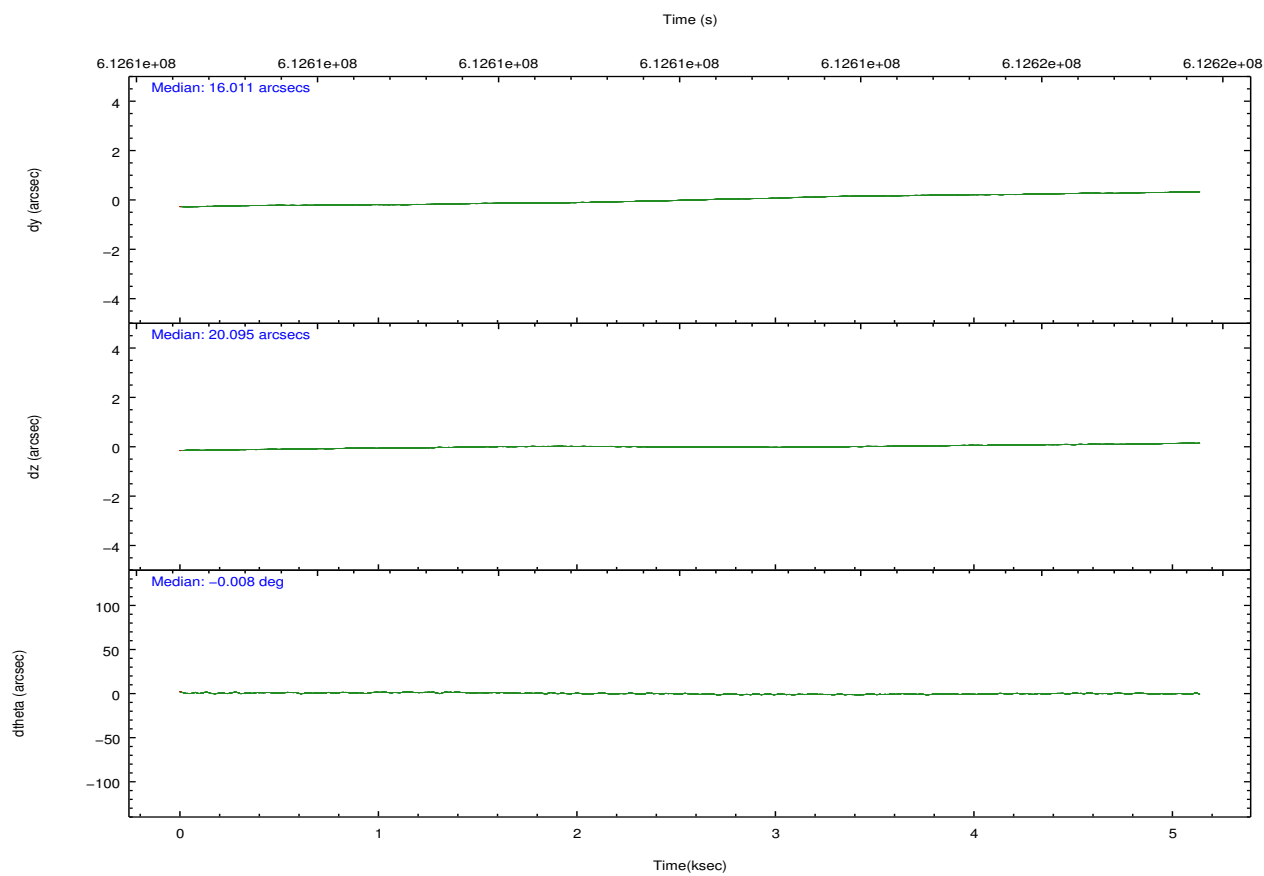
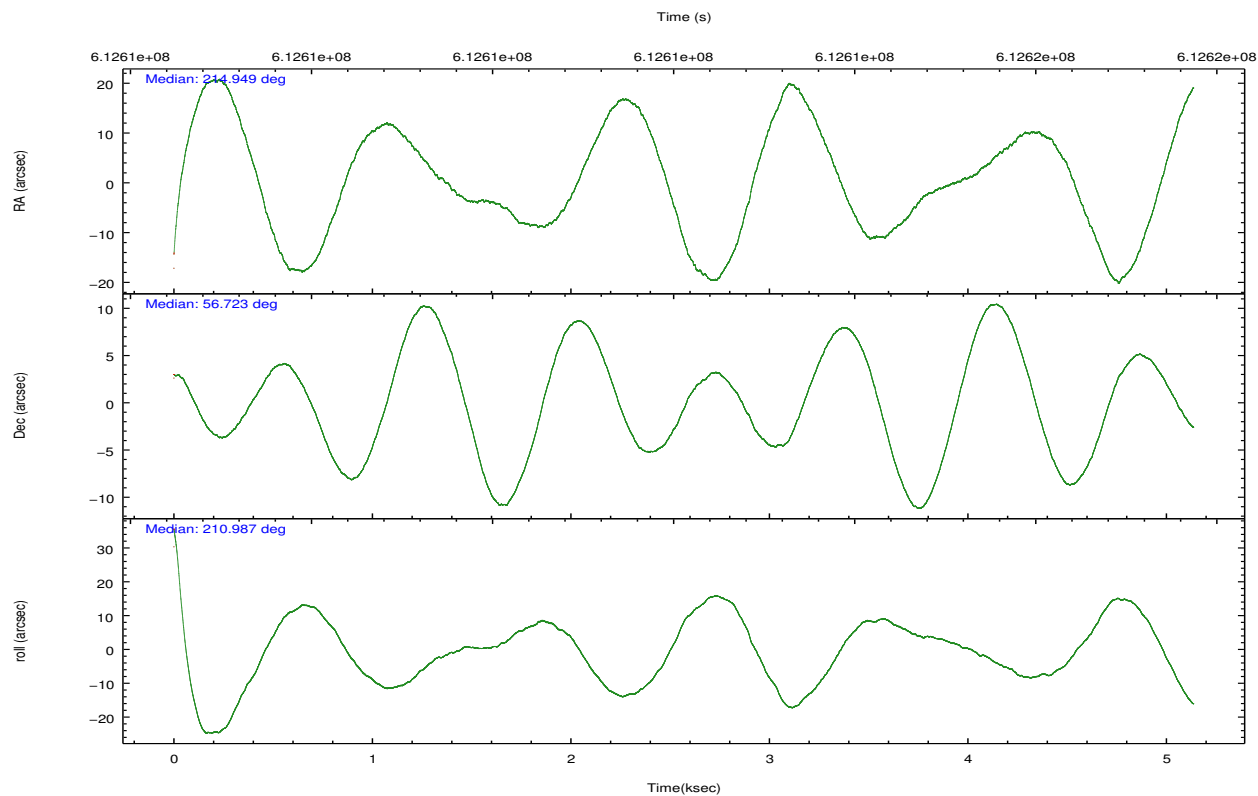
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	214.972105	214.9484914192281
[deg] Pointing Dec	56.747179	56.72298770808829
[deg] Pointing Roll	210.815416	210.9918696263734
[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)	612610646.184000	612608999.4672199
Observation start date	2017-05-31T09:36:17	2017-05-31T09:09:59
[s] Observation end time (MET)	612615646.184000	612616281.58014
Observation end date	2017-05-31T10:59:37	2017-05-31T11:11:21
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	3.1

2.3 Aspect



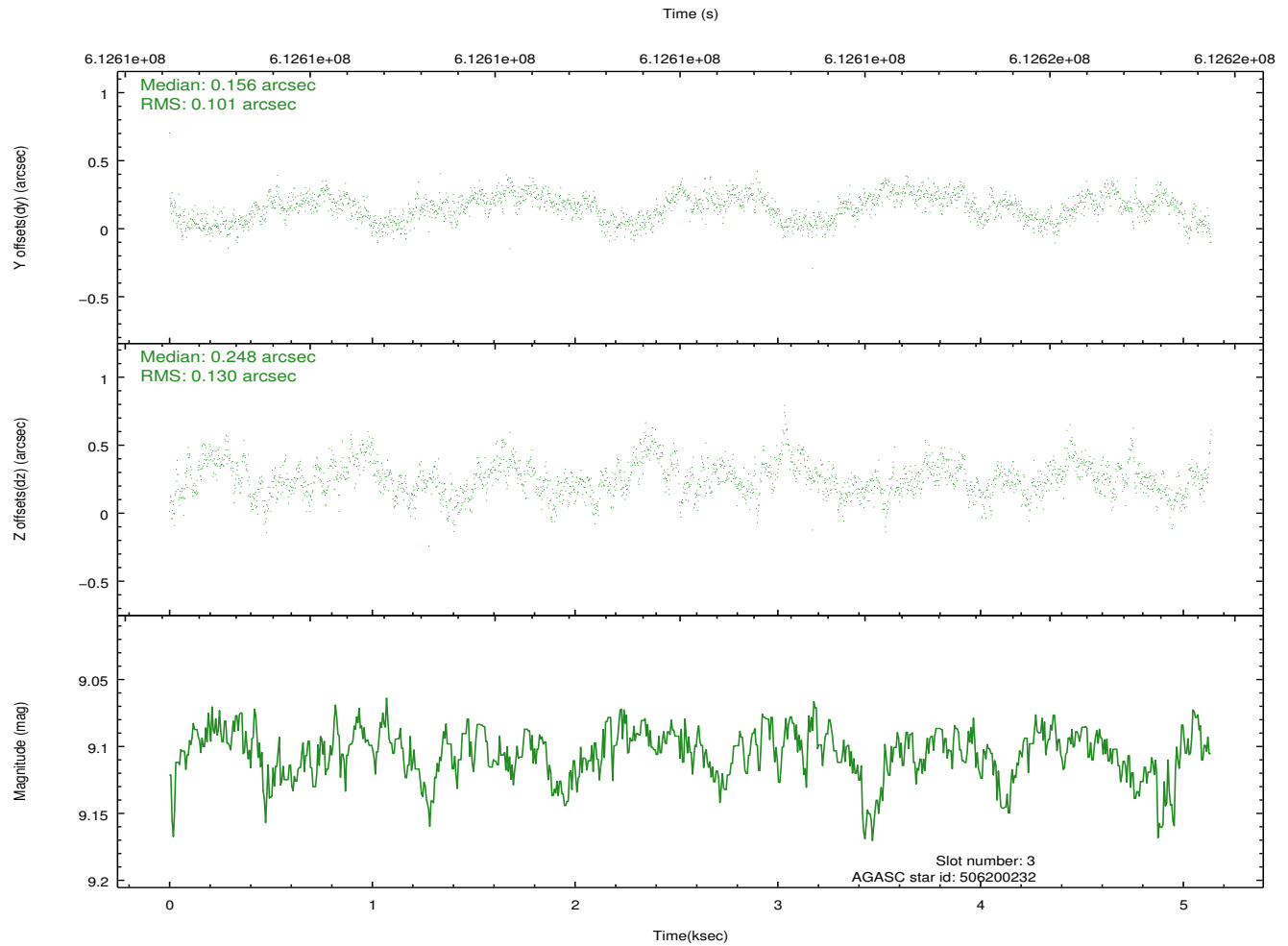
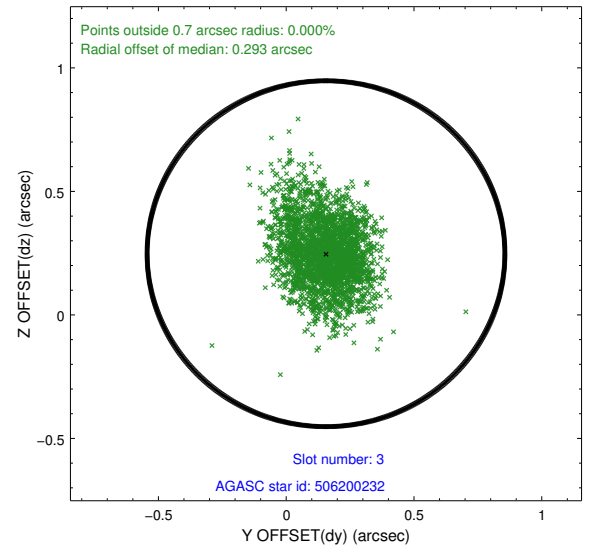
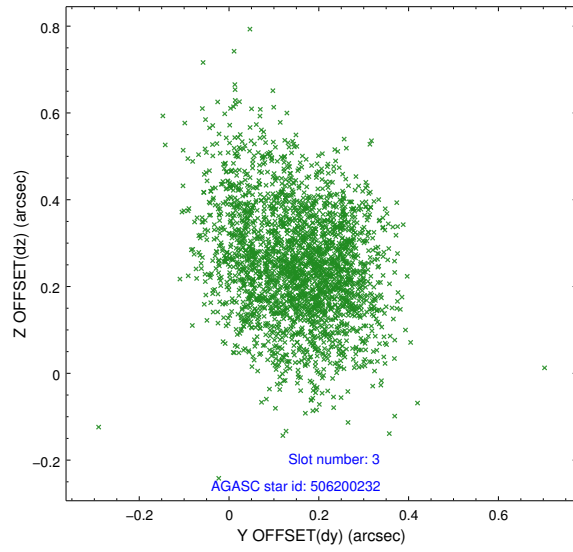


Slot Statistics

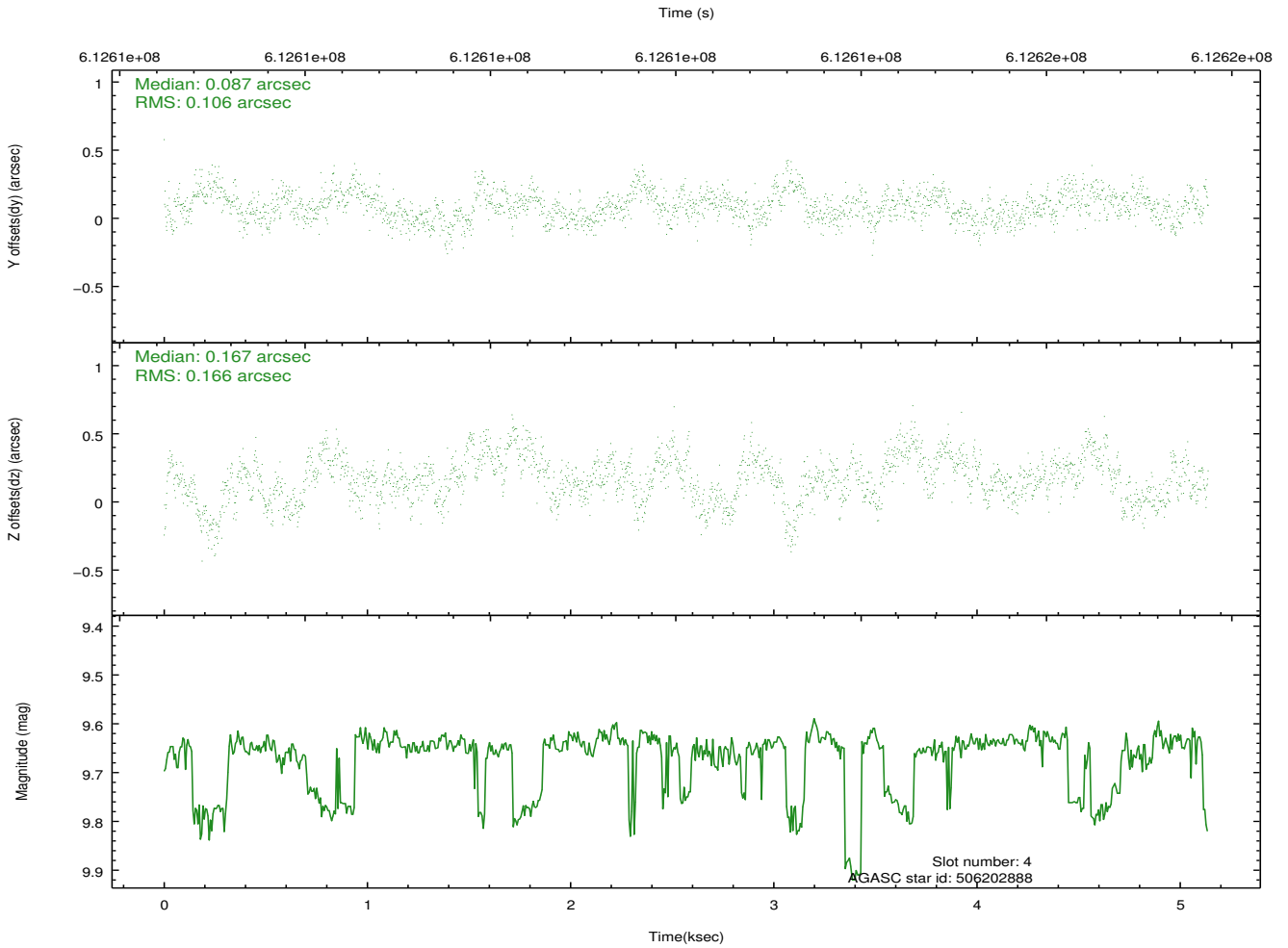
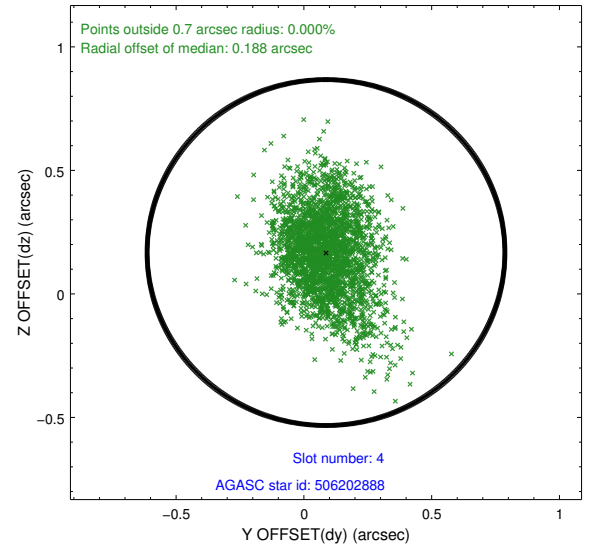
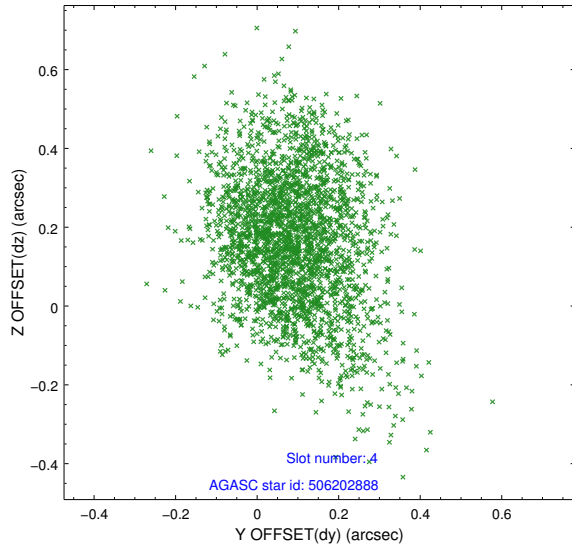
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.05	1254	0.012	-0.079	0.010	0.016	0.000000	0.000000	927.10	-1737.29
1	FID		ACIS-S-4	7.08	1253	0.383	0.054	0.006	0.010	0.000000	0.000000	2145.44	165.83
2	FID		ACIS-S-5	7.06	1254	-0.422	0.038	0.010	0.017	0.000000	0.000000	-1820.78	160.57
3	GUIDE	used	506200232	9.10	2502	0.156	0.248	0.170	0.281	214.872542	57.406429	-1049.27	-2137.88
4	GUIDE	used	506202888	9.65	2490	0.087	0.167	0.203	0.344	214.841401	57.181727	-582.15	-1474.86
5	GUIDE	used	506202896	8.86	2504	0.007	-0.186	0.149	0.245	215.595752	56.887641	-1314.79	188.37
6	GUIDE	used	506211008	8.60	2506	-0.151	-0.002	0.121	0.206	216.171140	56.840315	-2210.42	904.61
7	GUIDE	used	506211824	6.80	2504	-0.093	-0.229	0.109	0.182	213.999568	56.689133	1751.76	-815.11

2.4 Star Slots

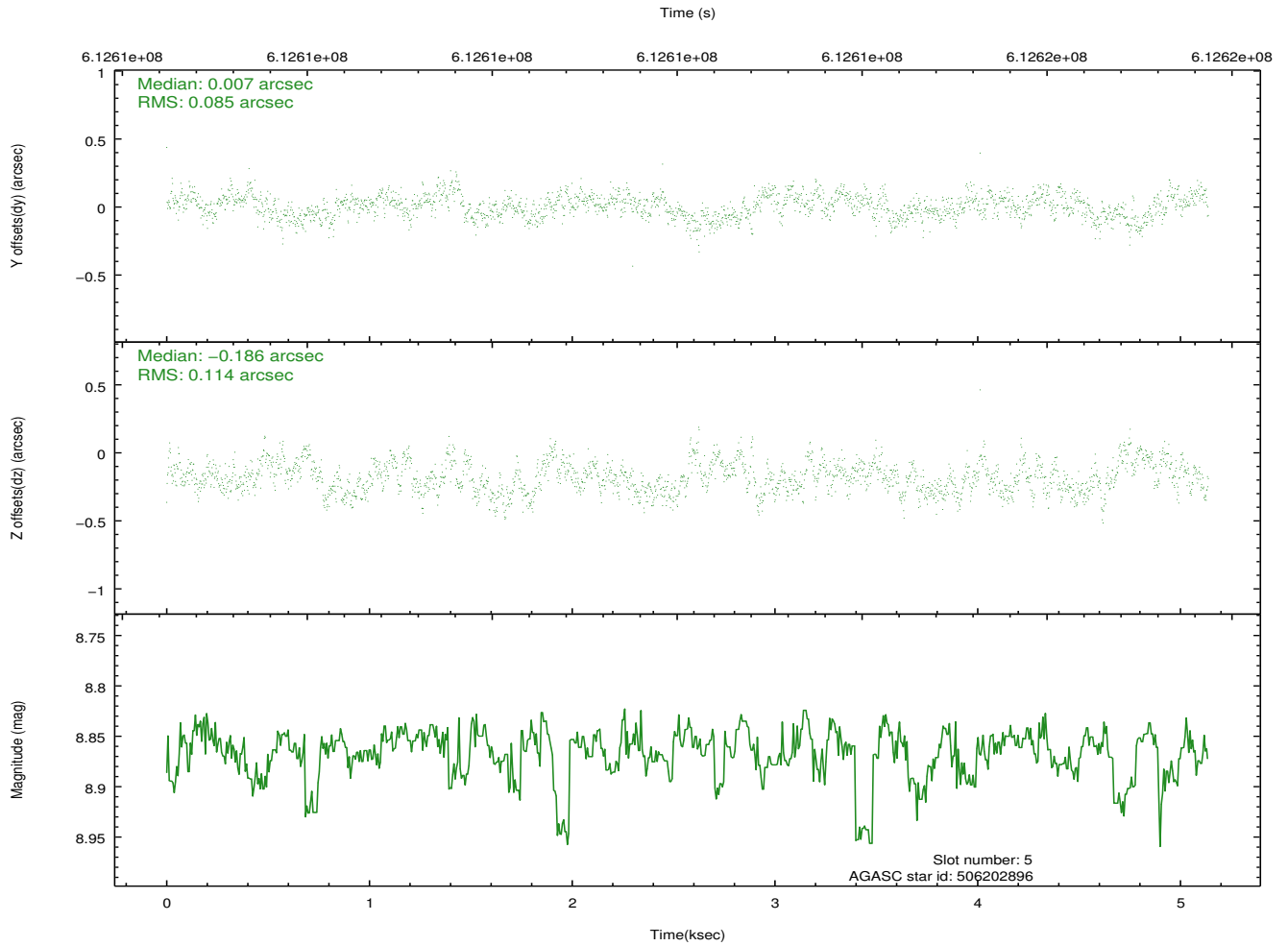
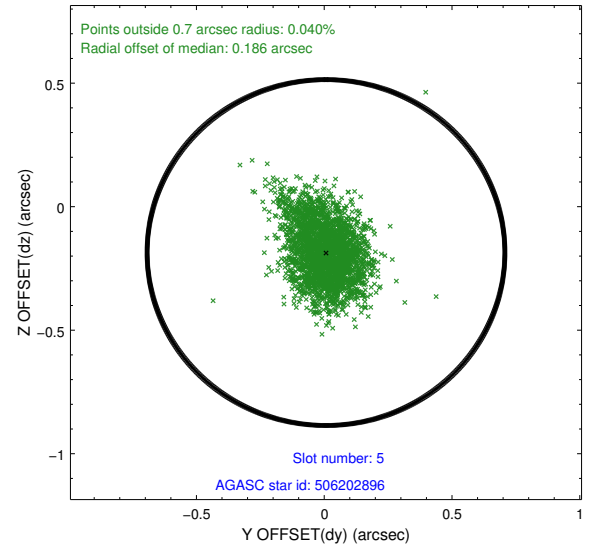
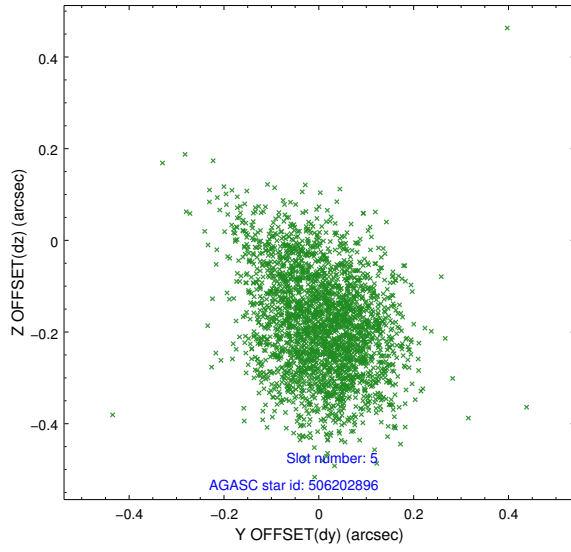
2.4.1 Slot 3



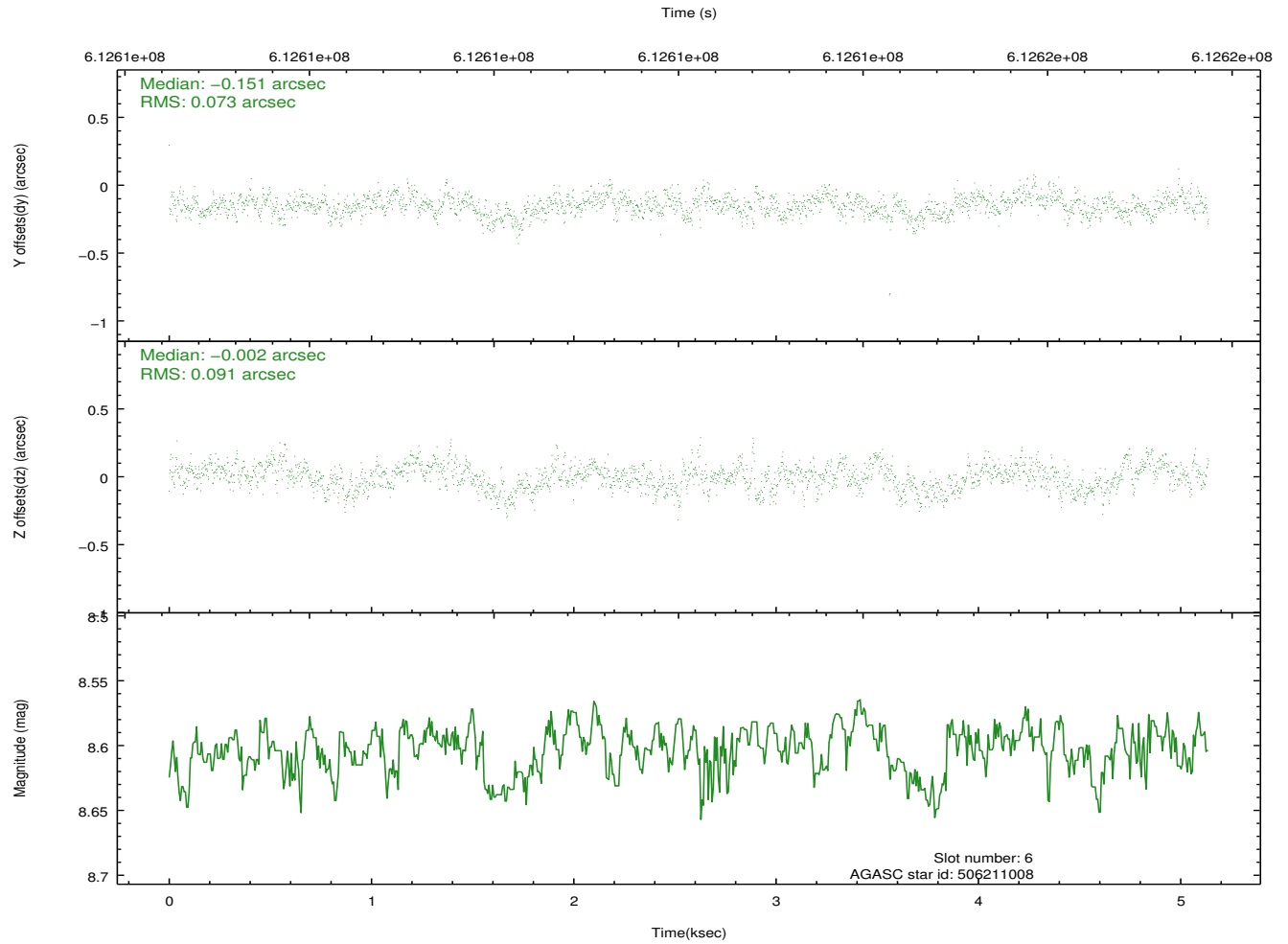
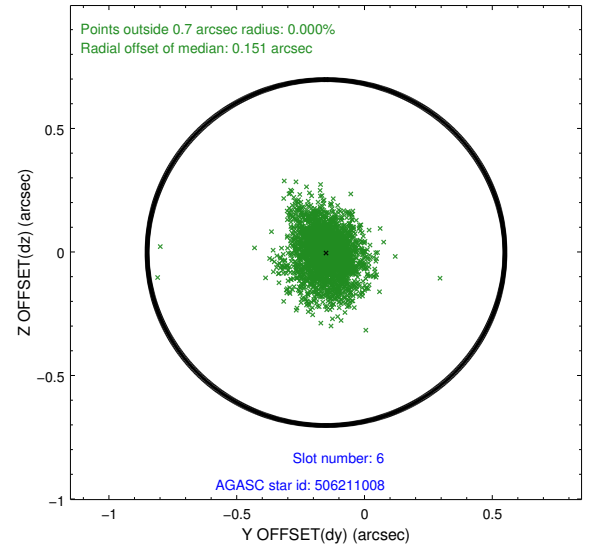
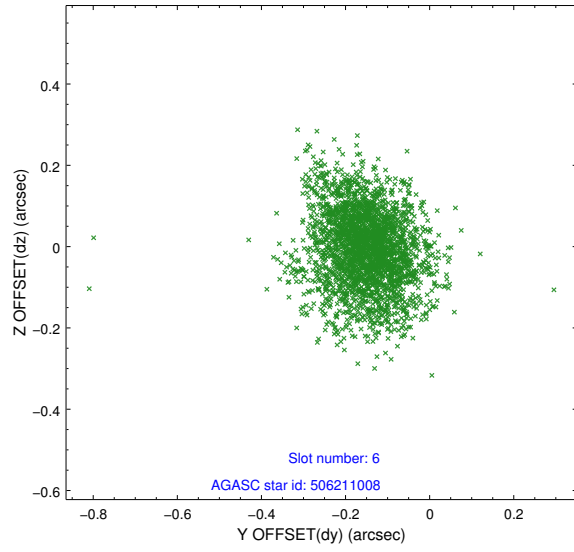
2.4.2 Slot 4



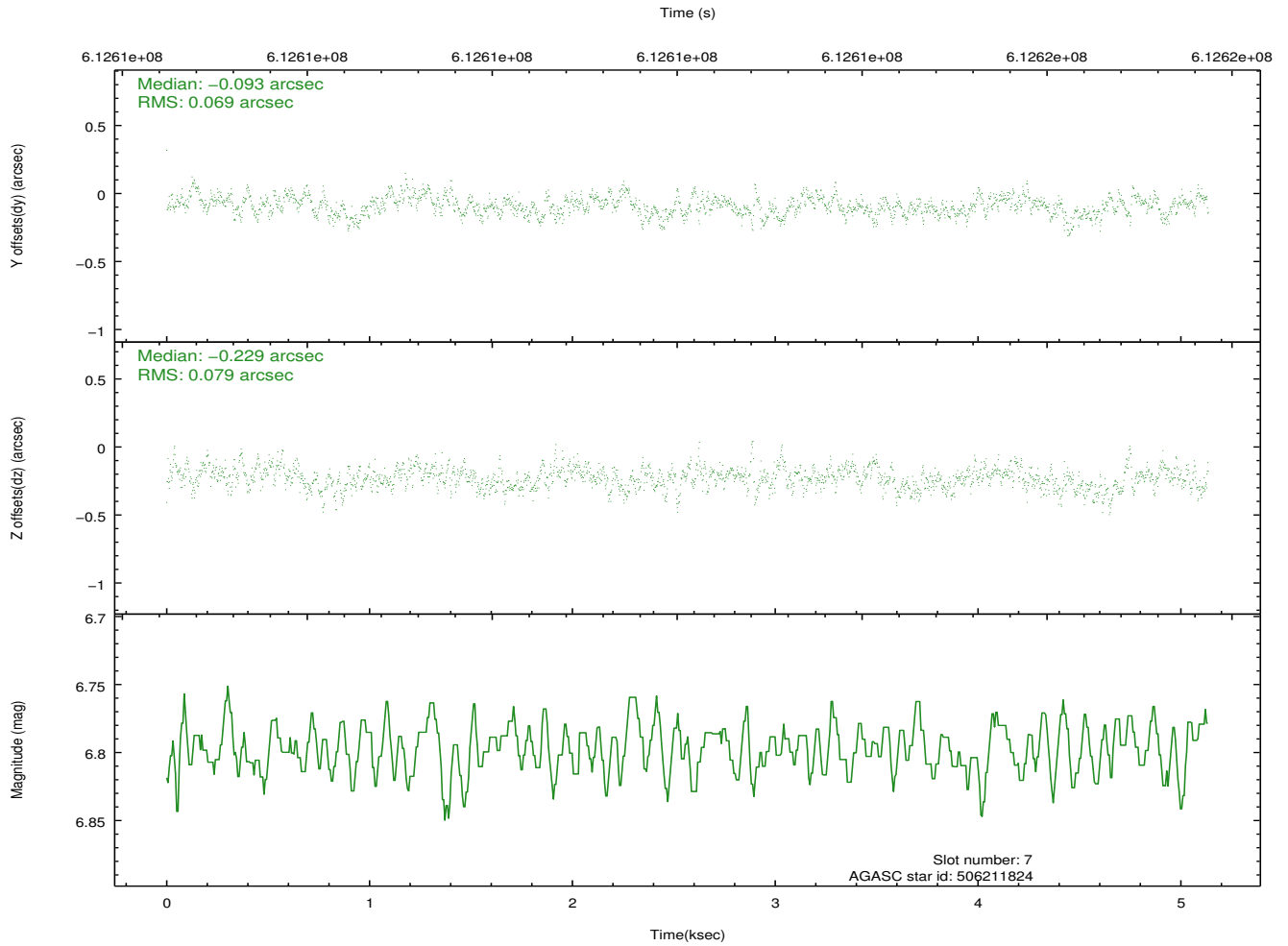
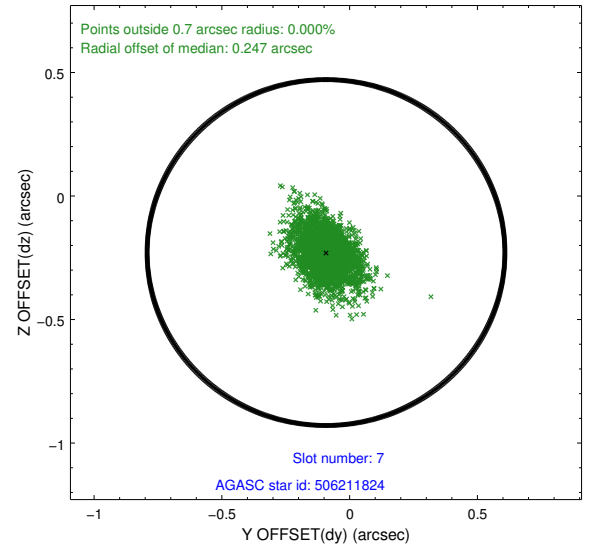
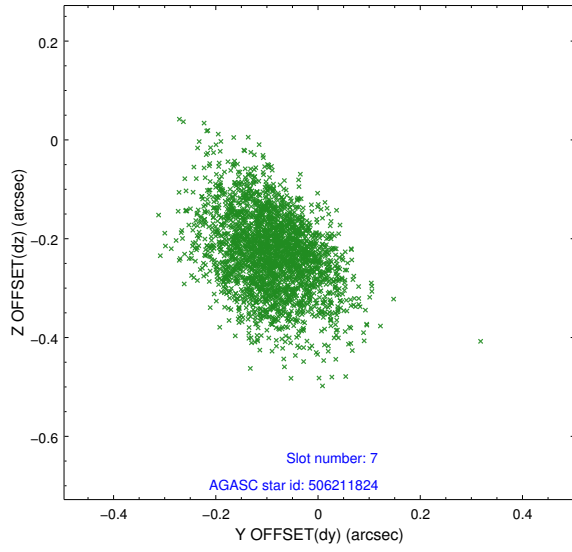
2.4.3 Slot 5



2.4.4 Slot 6

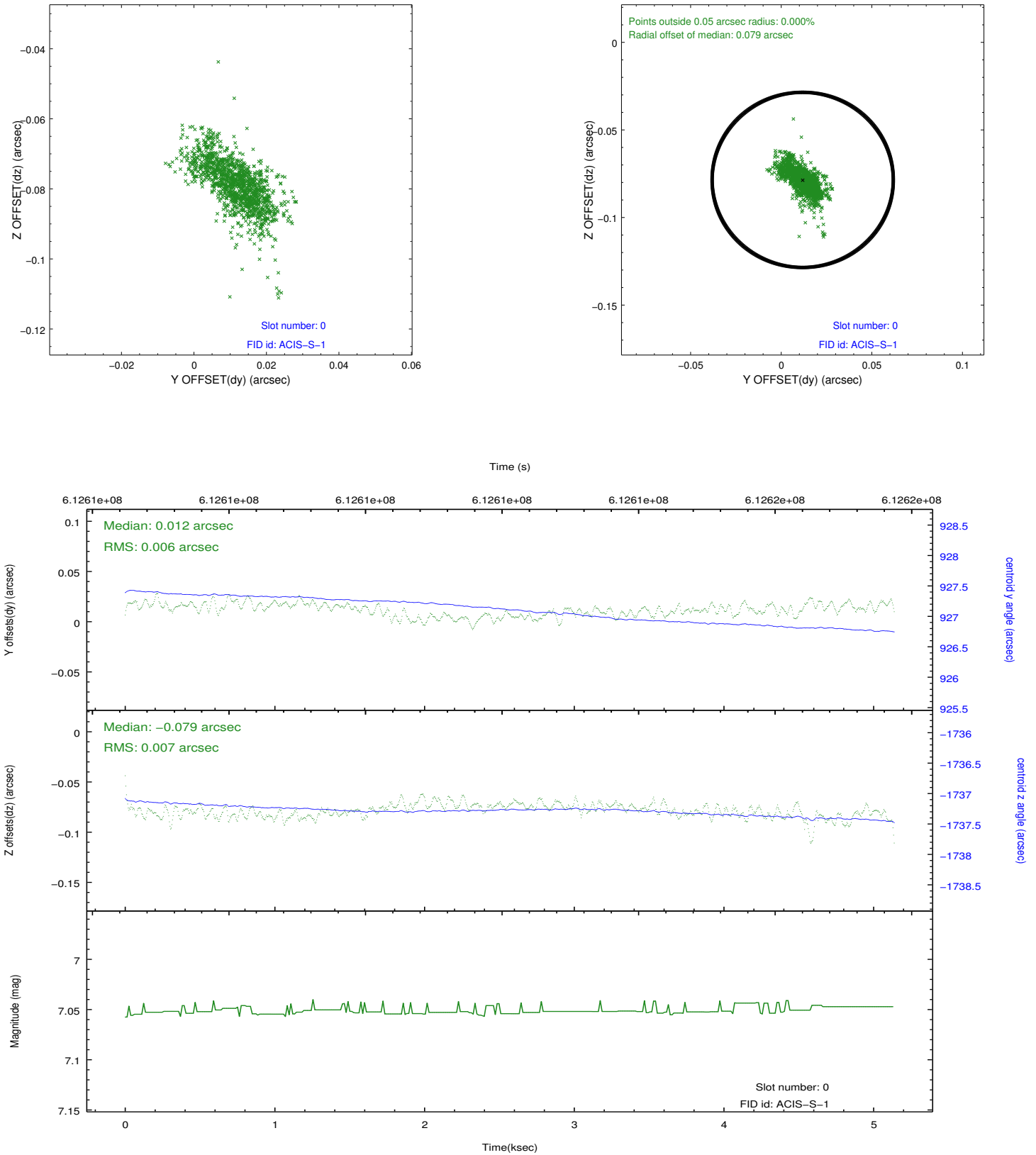


2.4.5 Slot 7

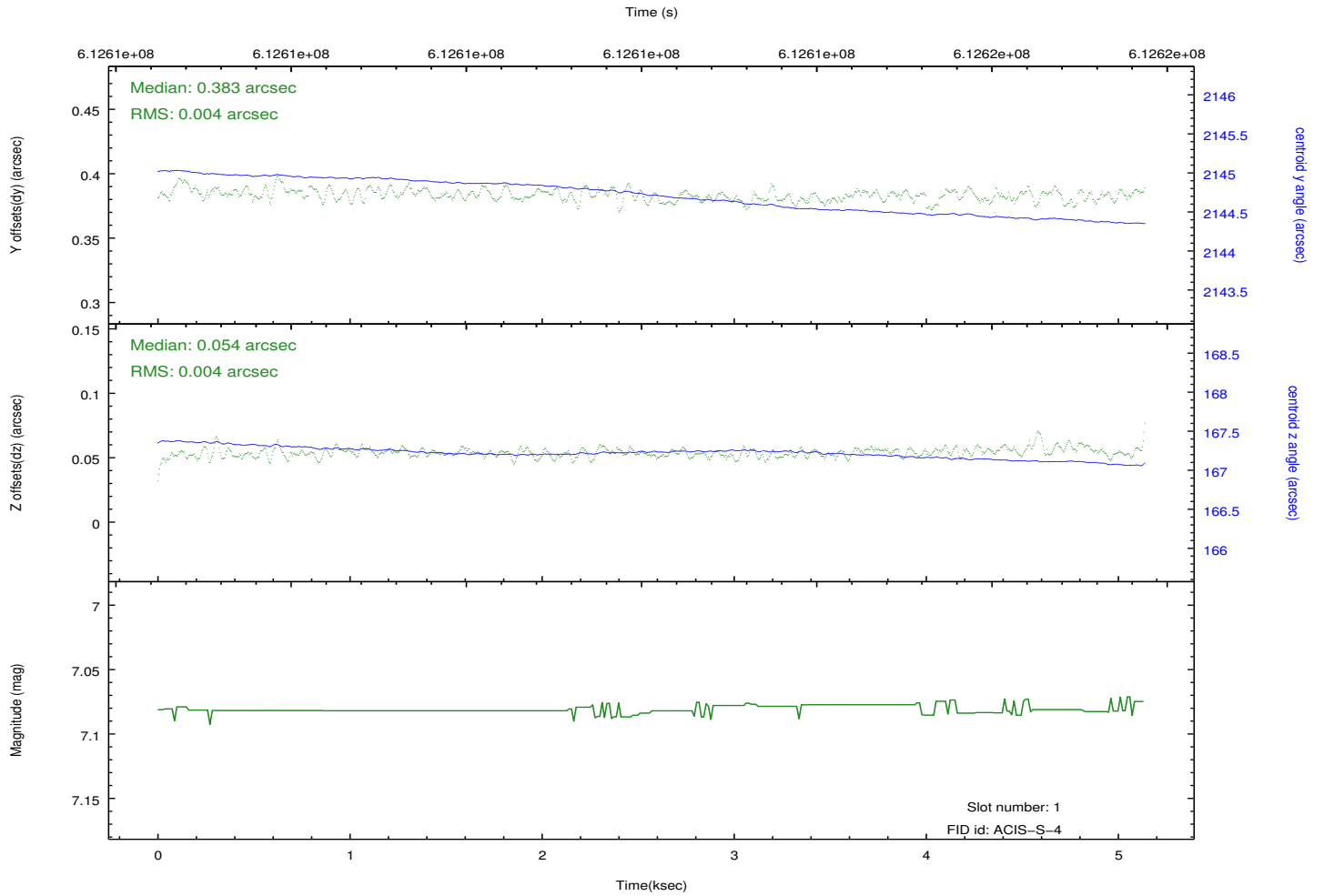
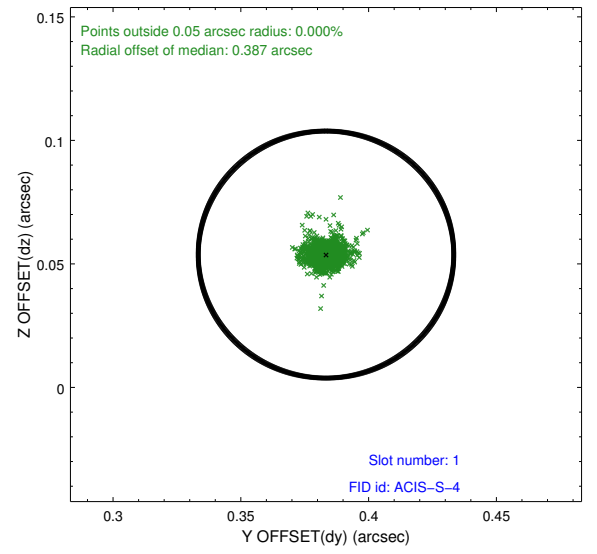
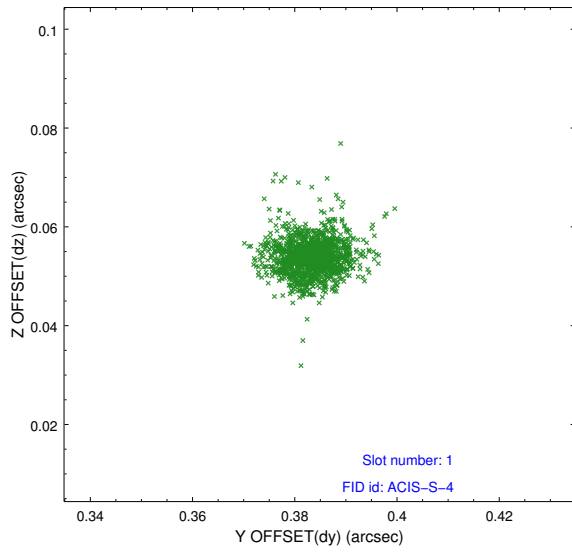


2.5 FID Slots

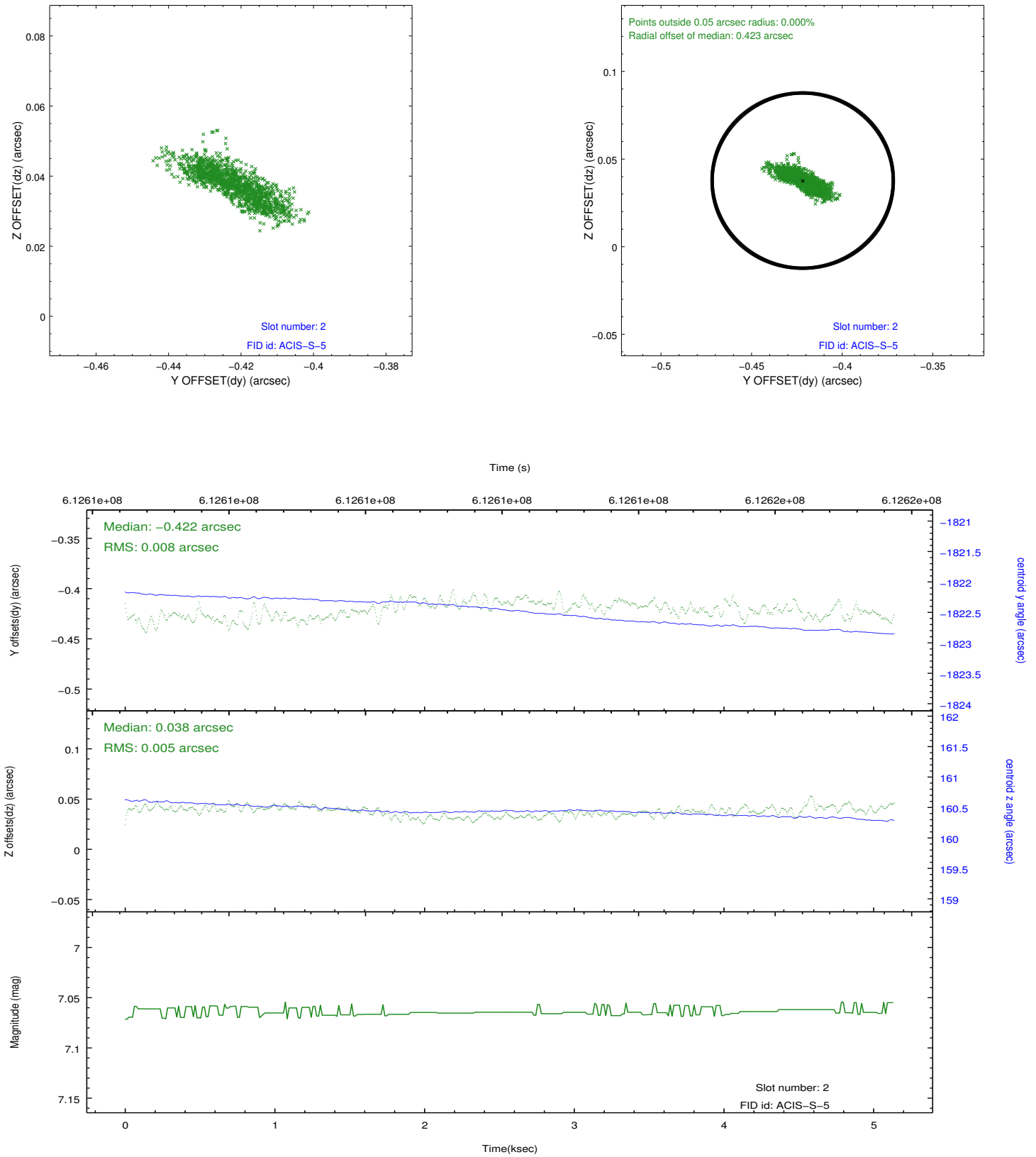
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7895000369549

A.2 Comments