

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 19788 - L2 Version 1
Chandra X-Ray Center

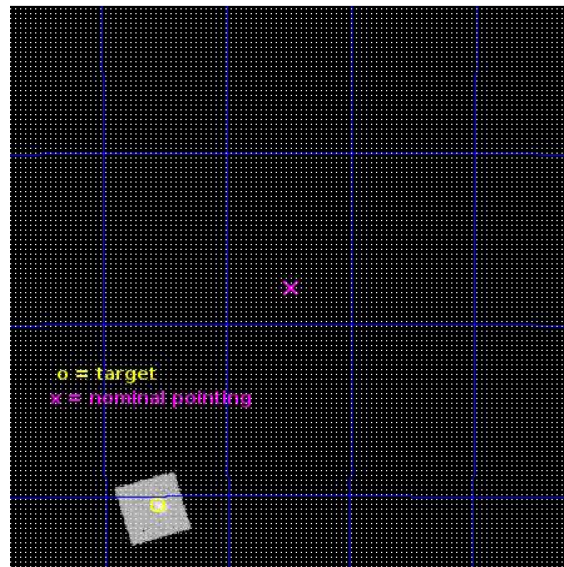
L2 Processing Date : Sep 29 2016

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1 Front

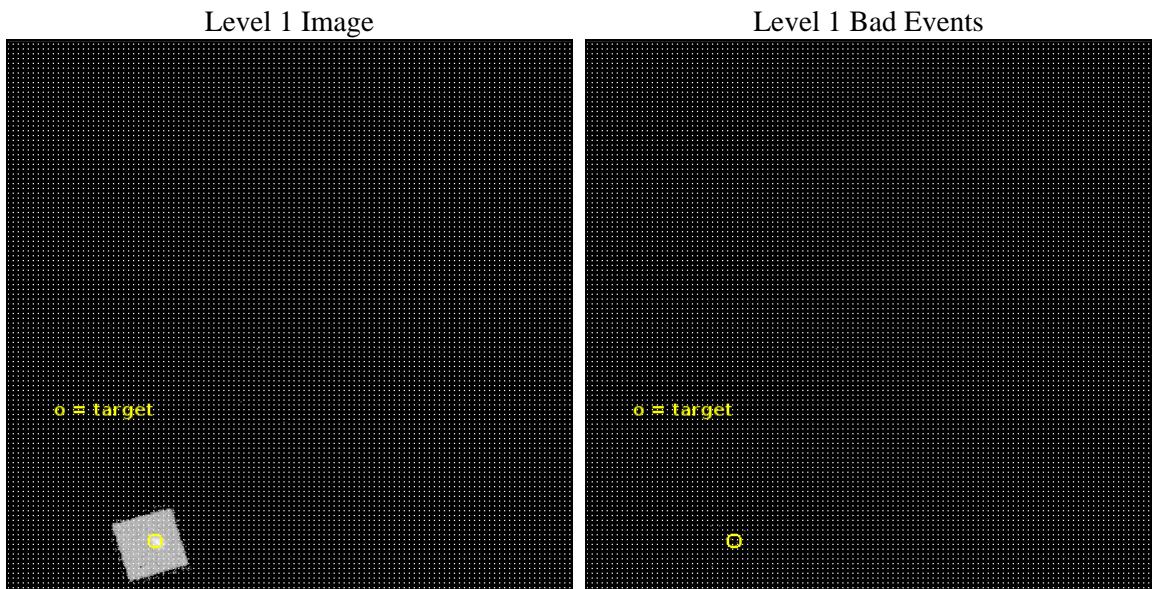
seq_num	201151	Sequence number
obs_id	19788	Observation id
title	Proxima Cen's Stellar Cycle	Proposal title
observer	Bradford Wargelin	Principal investigator
object	Proxima Cen	Source name
ra_targ	217.390833	Observer's specified target RA [deg]
dec_targ	-62.675889	Observer's specified target Dec [deg]
ra_nom	217.11974503761	Nominal RA [deg]
dec_nom	-62.464214107174	Nominal Dec [deg]
roll_nom	208.66392331201	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12464.000716567	[s]
livetime	11589.867773518	Ontime multiplied by DTCOR
l2events	19421	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	12787.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	12464.000716567	[s]
caldsver	4.7.2	 	l1events	23548	Number of level 1 events
date	2016-09-29T15:55:26	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

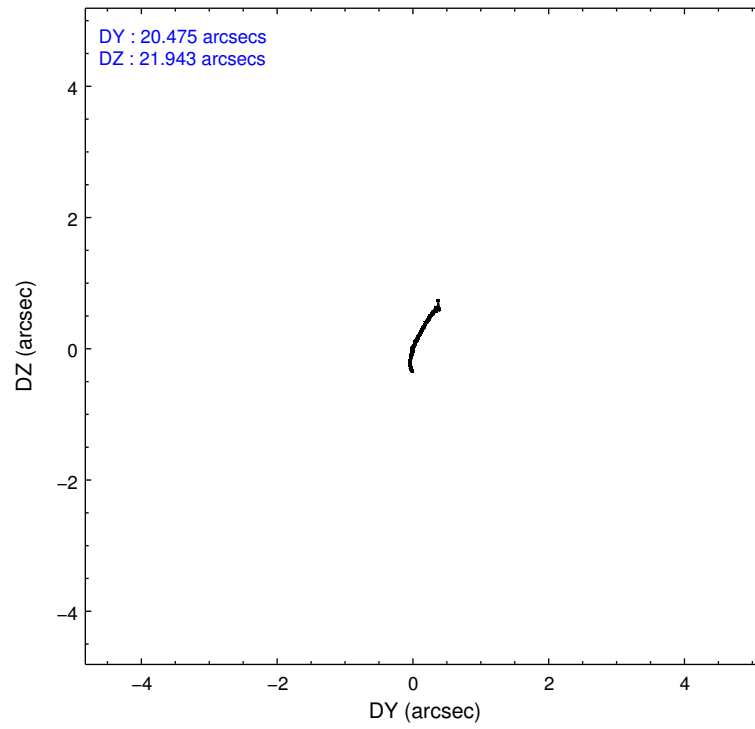
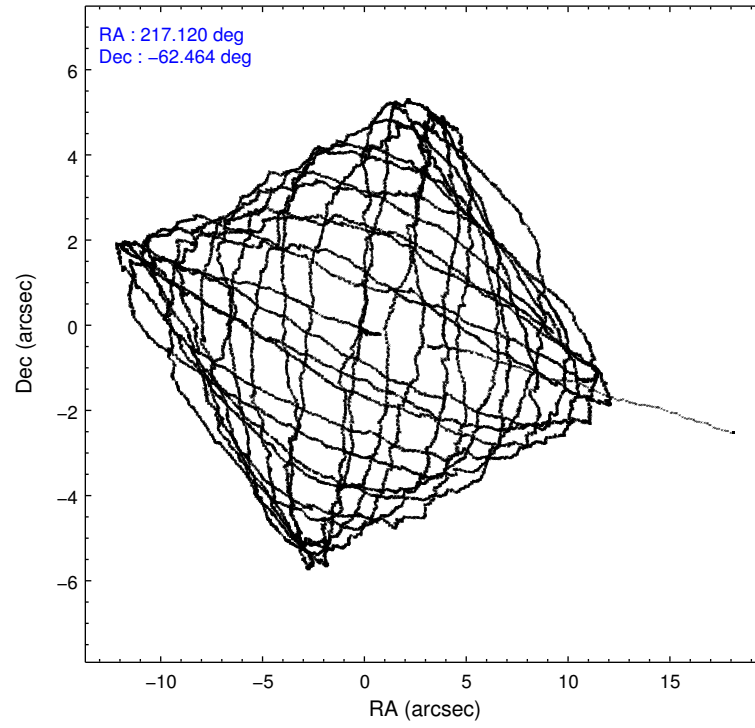
	segment 0
level 1 events	23548
rejected events	304
rejected %	1%

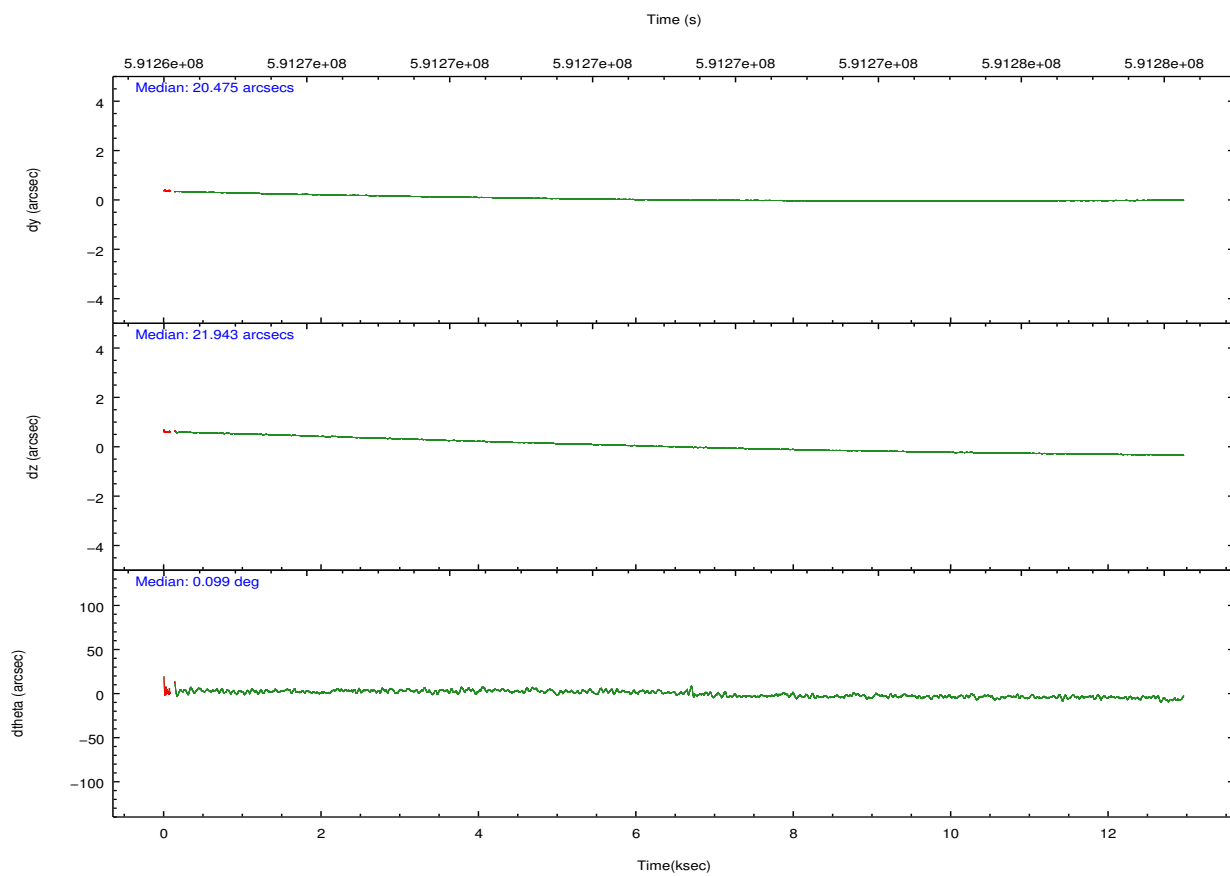
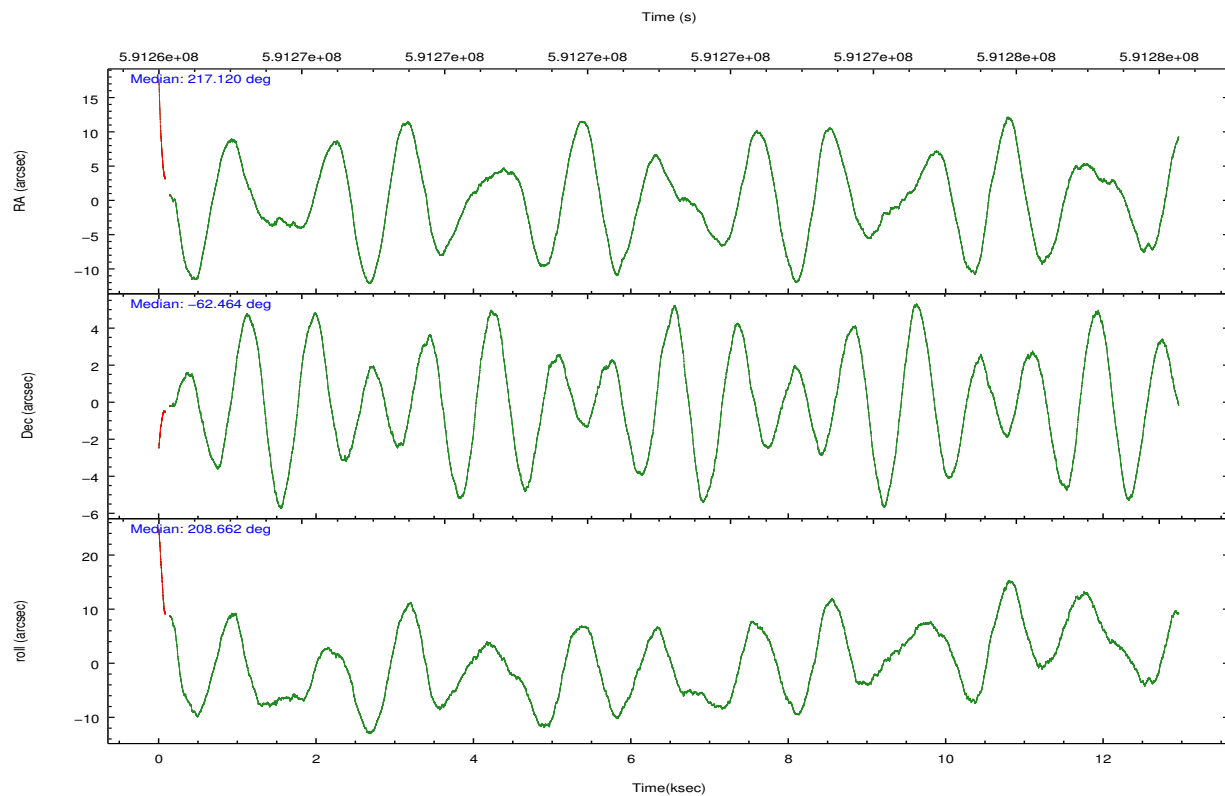
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE
Observation mode	POINTING	POINTING
[deg] Pointing RA	217.149331	217.1197450376141
[deg] Pointing Dec	-62.440570	-62.46421410717399
[deg] Pointing Roll	208.785640	208.6639233120136
[s] Window start time (MET)	590976069.184000	590976069.184000
[s] Window stop time (MET)	591580867.184000	591580867.184000
[mm] SIM focus pos	-1.038866356238299	-1.038866356238299
SIM defocus (mm)	0.00142623211714632	0.00142623211714632
[mm] SIM translation stage pos	51.9960404362608	51.9960404362608
[mm] SIM translation stage offset	74.989453869027	74.989453869027
[s] Observation start time (MET)	591262428.184000	591262428.184
Observation start date	2016-09-26T07:33:48	2016-09-26T07:33:48
[s] Observation end time (MET)	591277602.284000	591277602.284
Observation end date	2016-09-26T11:46:42	2016-09-26T11:46:42

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE

2.3 Aspect



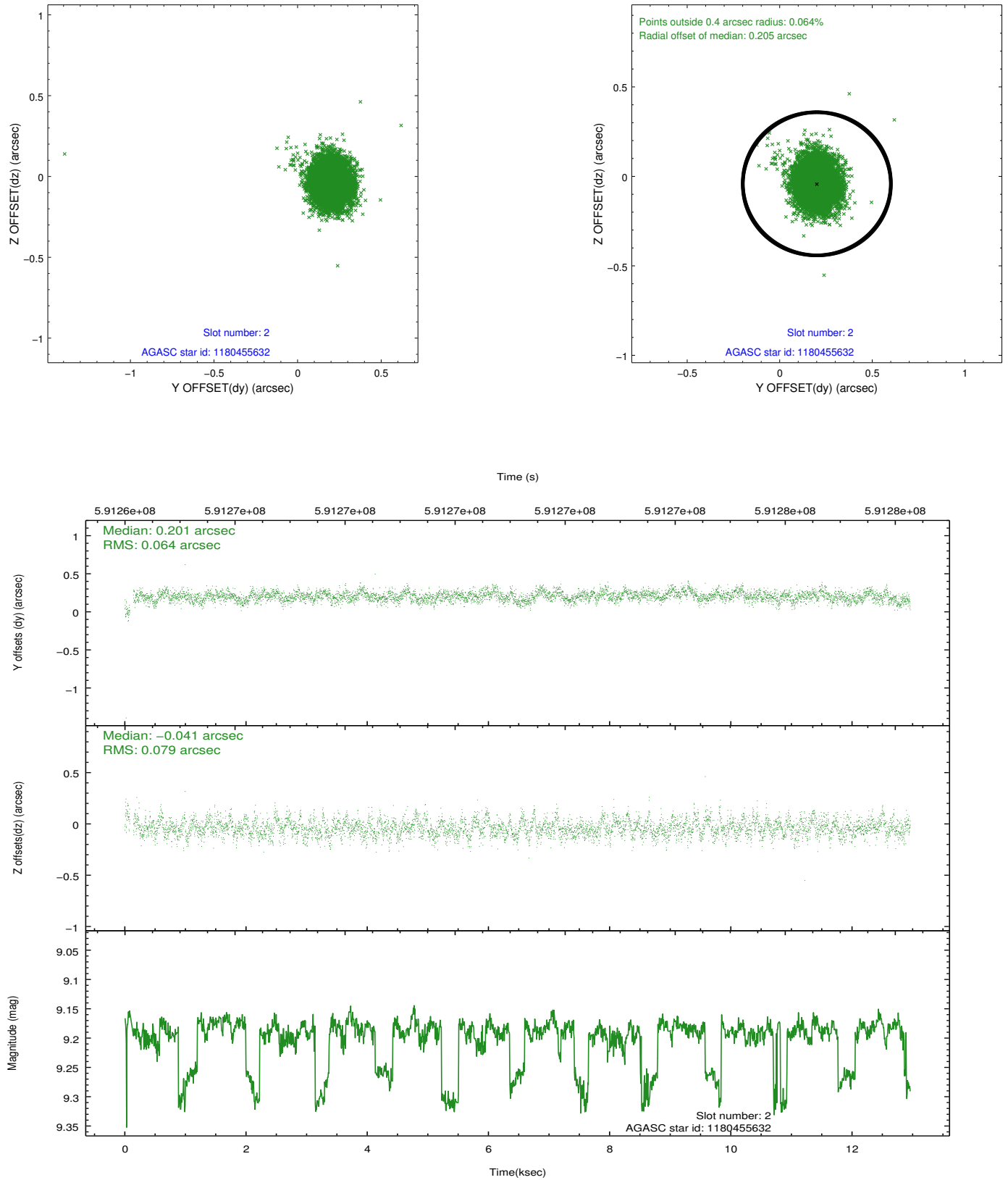


Slot Statistics

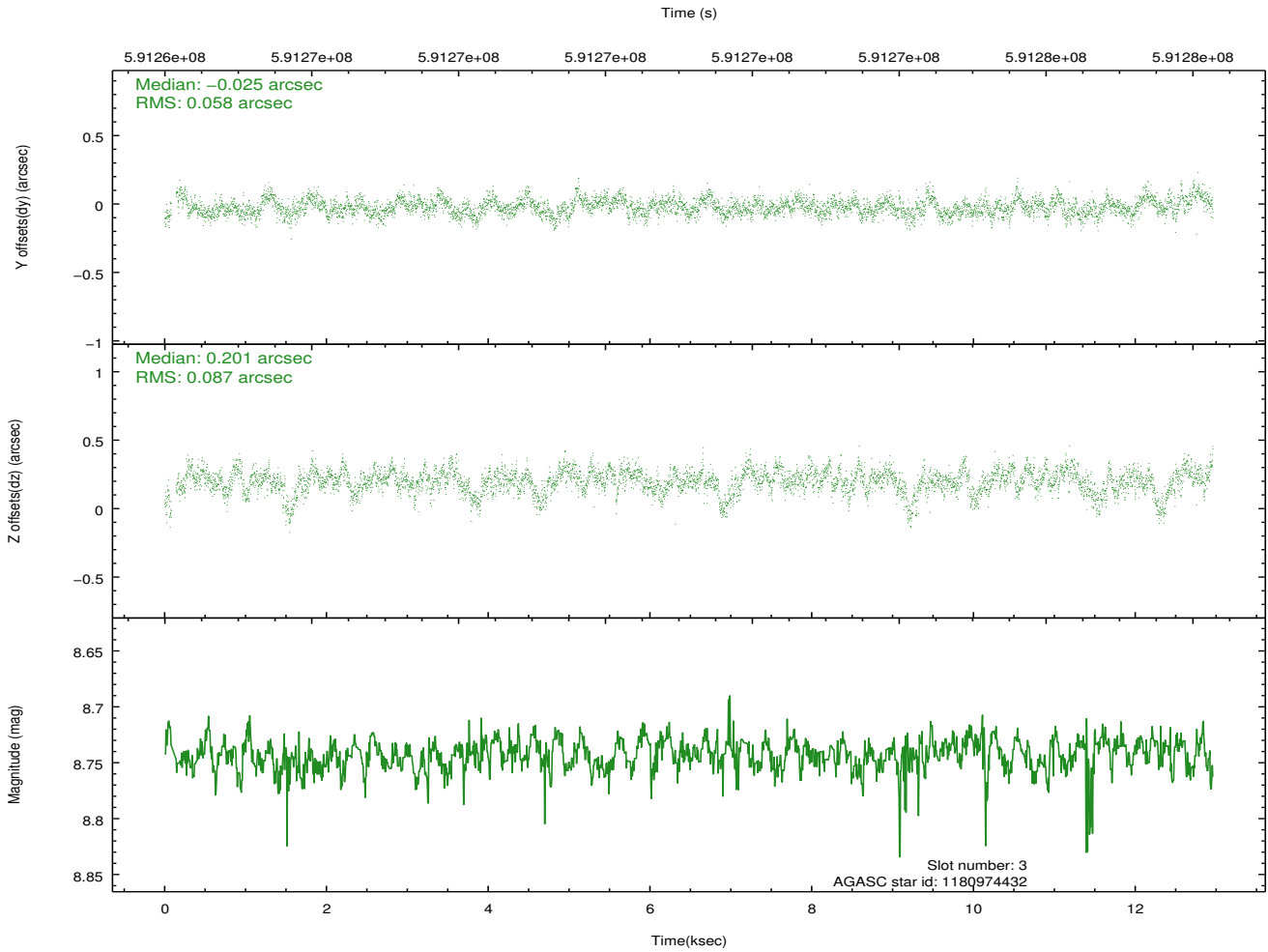
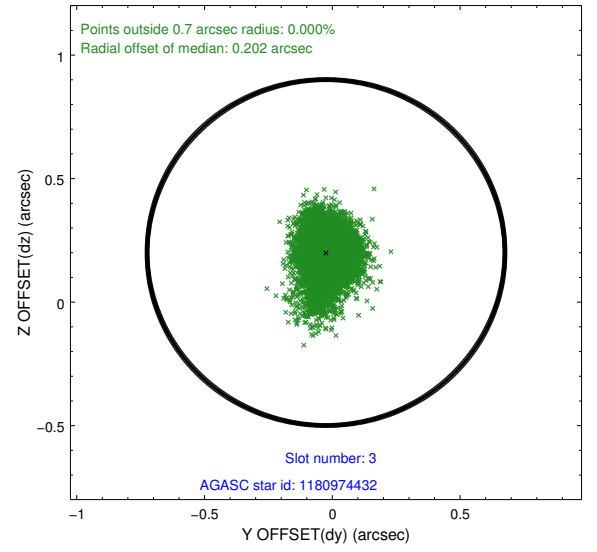
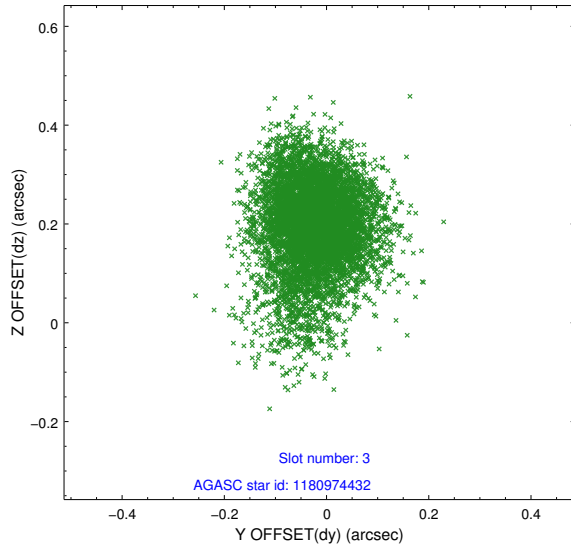
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.90	3146	-0.775	-0.029	0.005	0.010	0.000000	0.000000	-775.31	227.57
1	FID		HRC-I-2	7.01	3147	0.854	-0.025	0.005	0.010	0.000000	0.000000	835.62	228.69
2	GUIDE	used	1180455632	9.19	6288	0.201	-0.041	0.105	0.172	216.870997	-61.855112	-599.42	-2073.78
3	GUIDE	used	1180974432	8.74	6288	-0.025	0.201	0.106	0.189	217.803607	-62.540366	-775.92	842.73
4	GUIDE	used	1180977136	9.00	6289	0.071	-0.054	0.125	0.207	217.148159	-62.209003	-399.08	-731.29
5	GUIDE	used	1180985824	8.78	6285	-0.124	-0.053	0.103	0.170	216.565550	-62.139830	342.16	-1417.78
6	GUIDE	used	1180991936	7.77	6289	-0.136	-0.050	0.130	0.219	216.873169	-61.996737	-358.79	-1623.96
7	MONITOR	unused		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

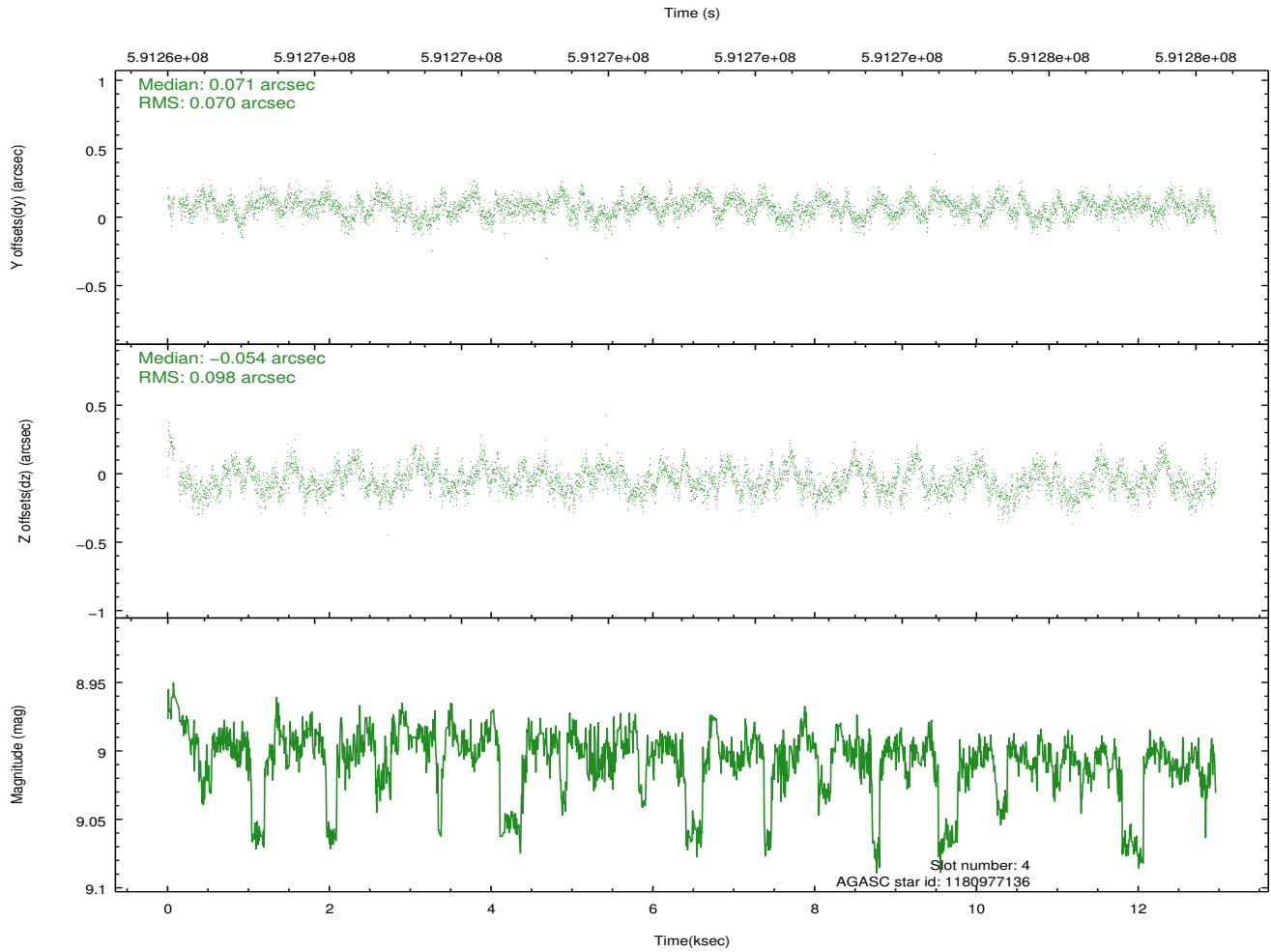
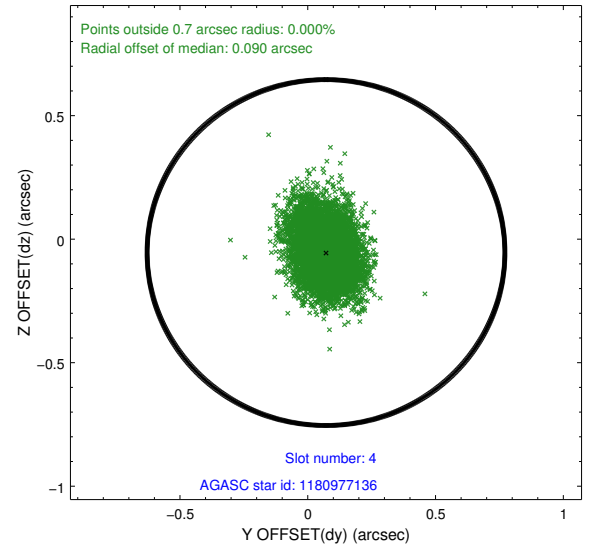
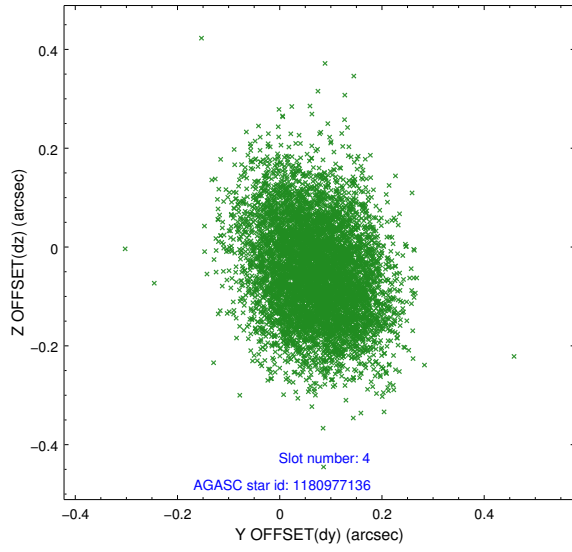
2.4.1 Slot 2



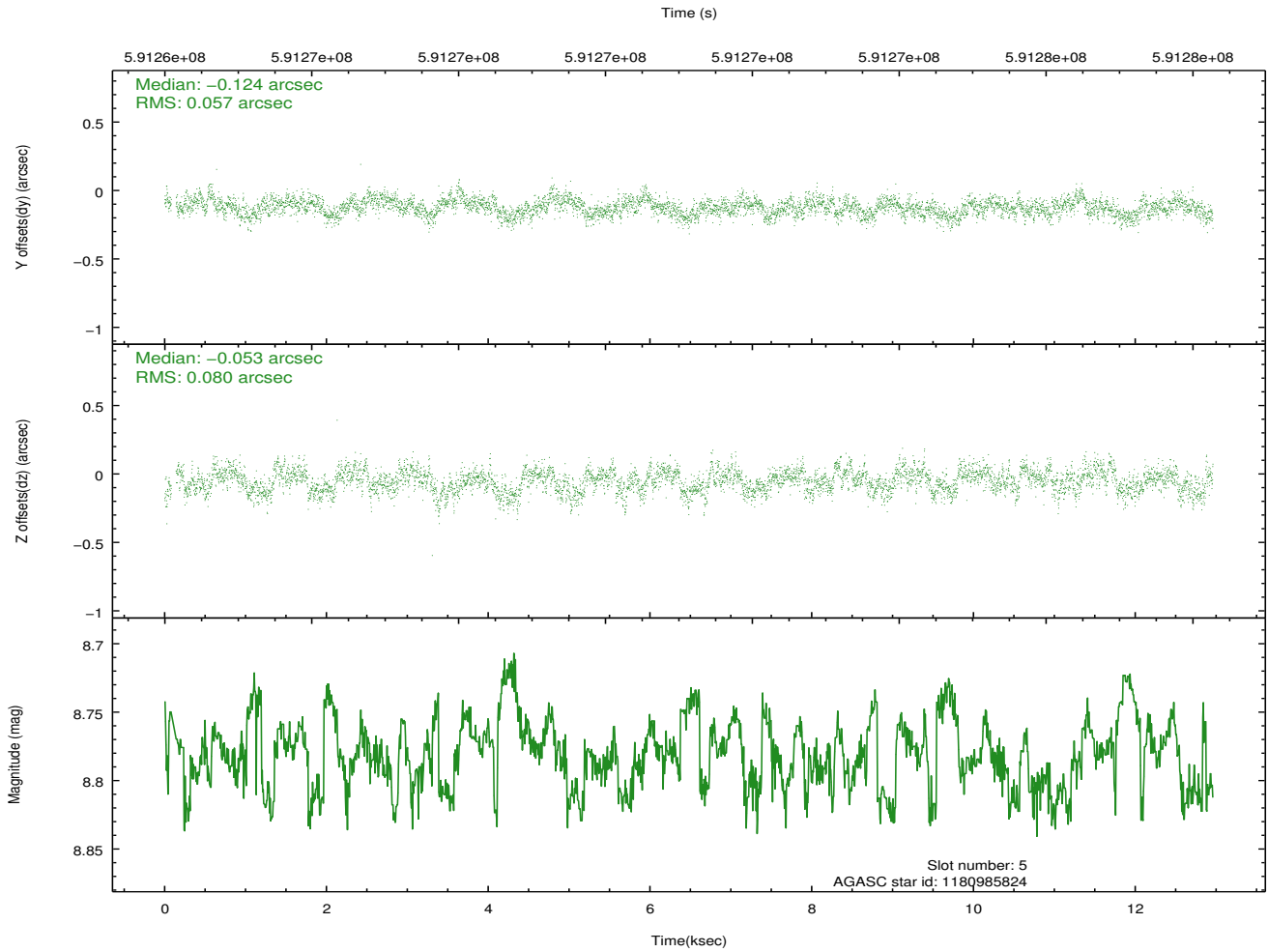
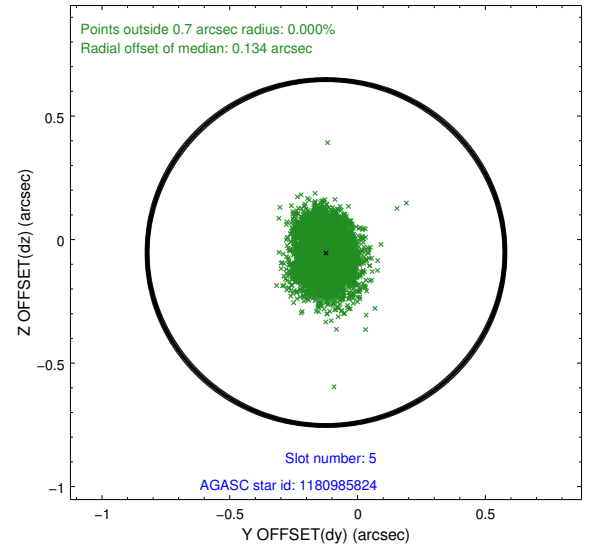
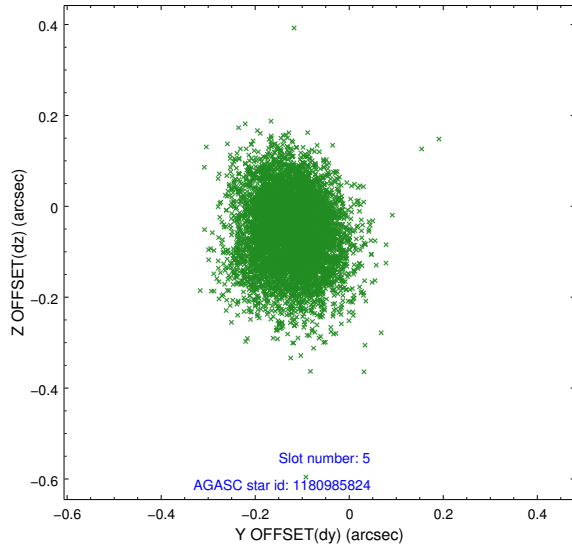
2.4.2 Slot 3



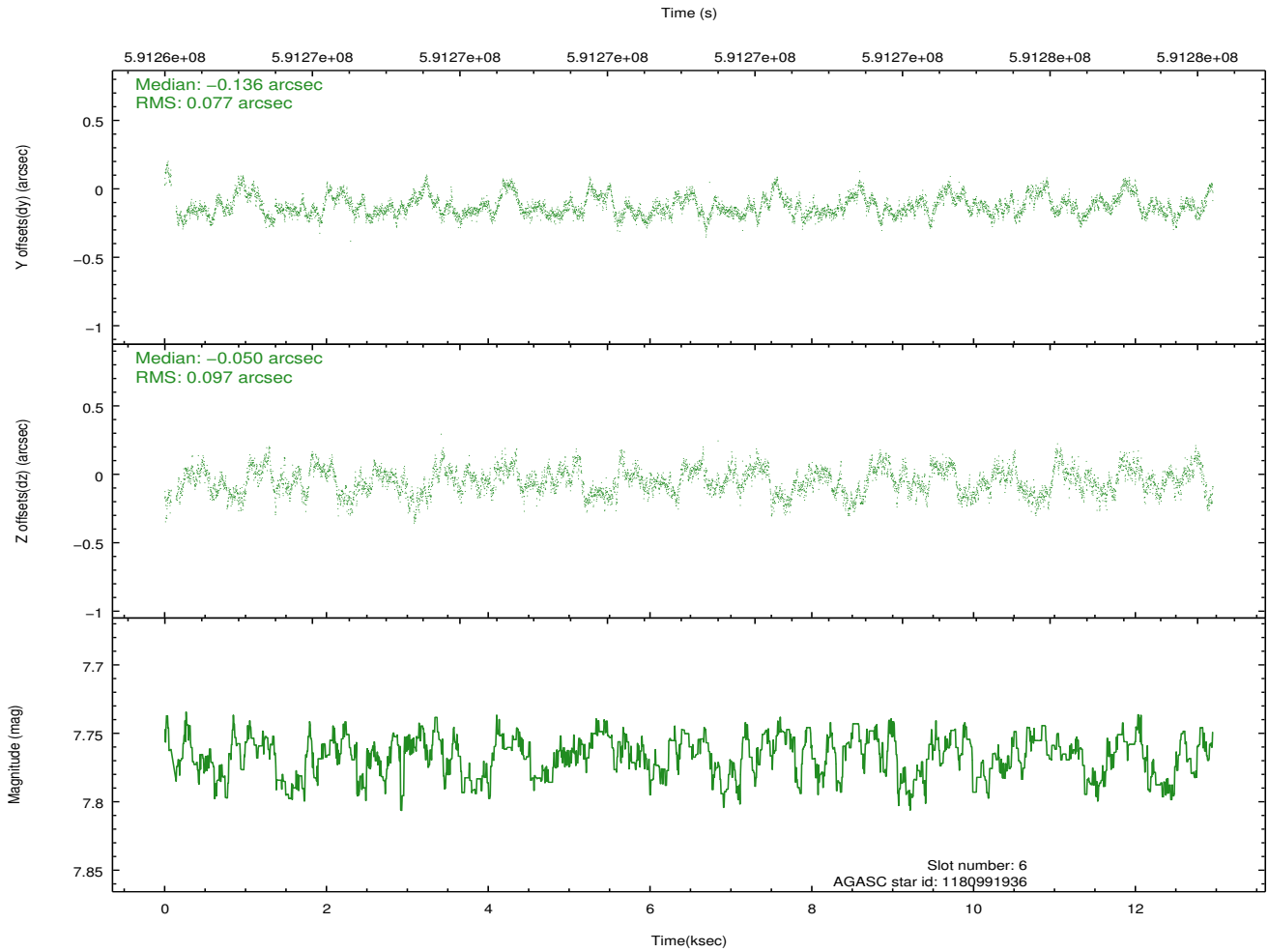
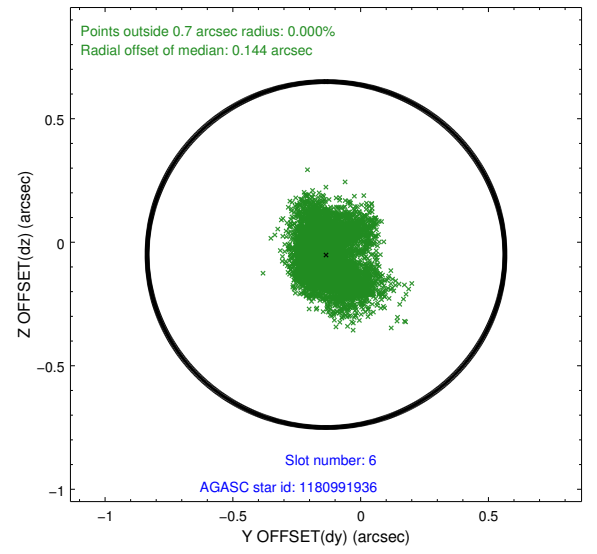
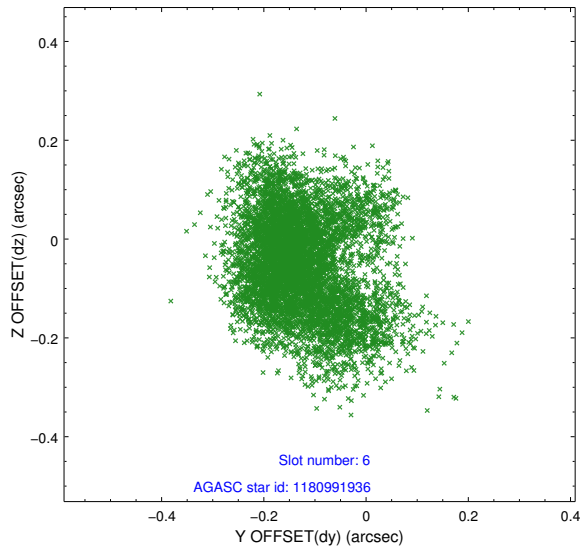
2.4.3 Slot 4



2.4.4 Slot 5

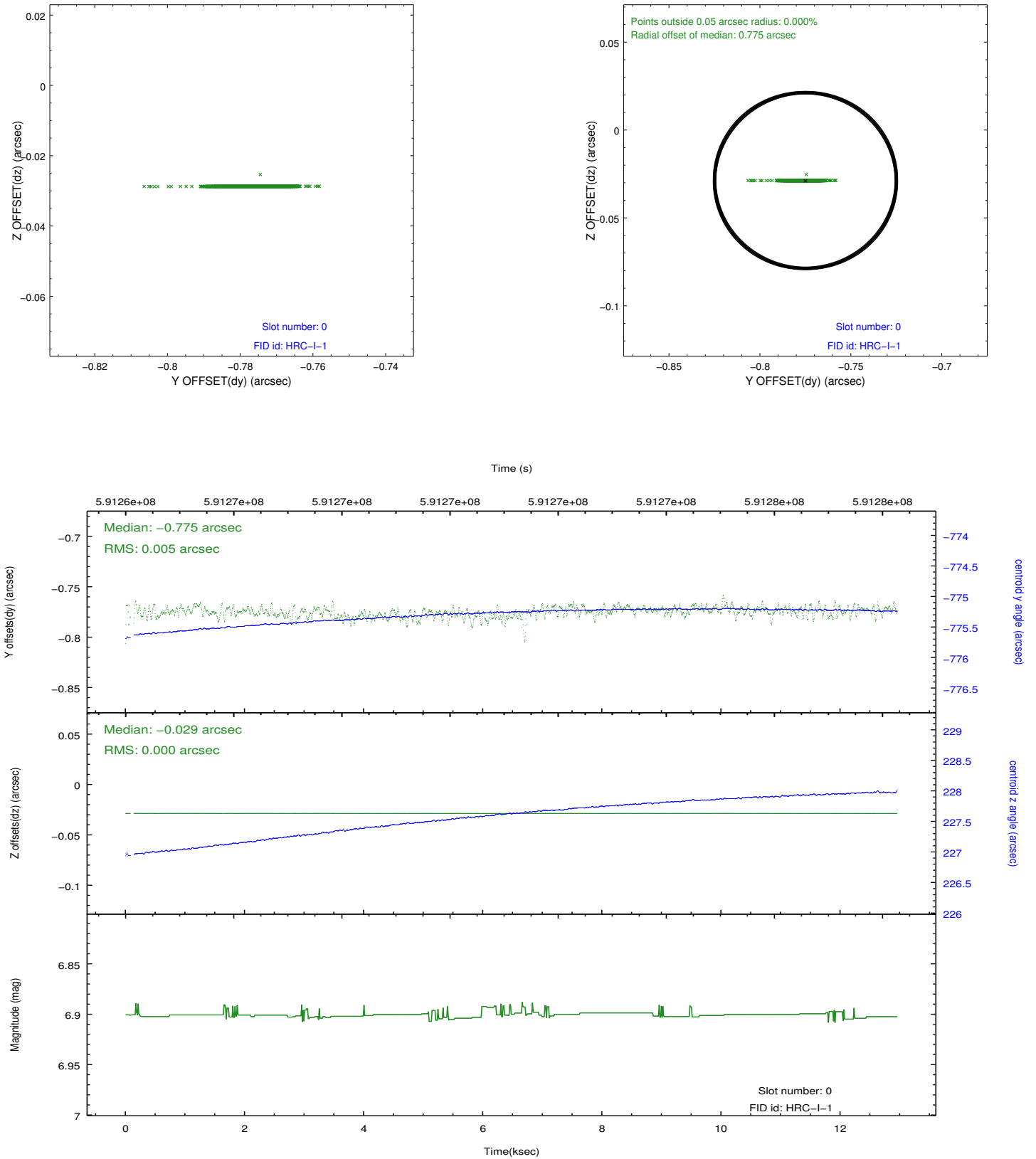


2.4.5 Slot 6

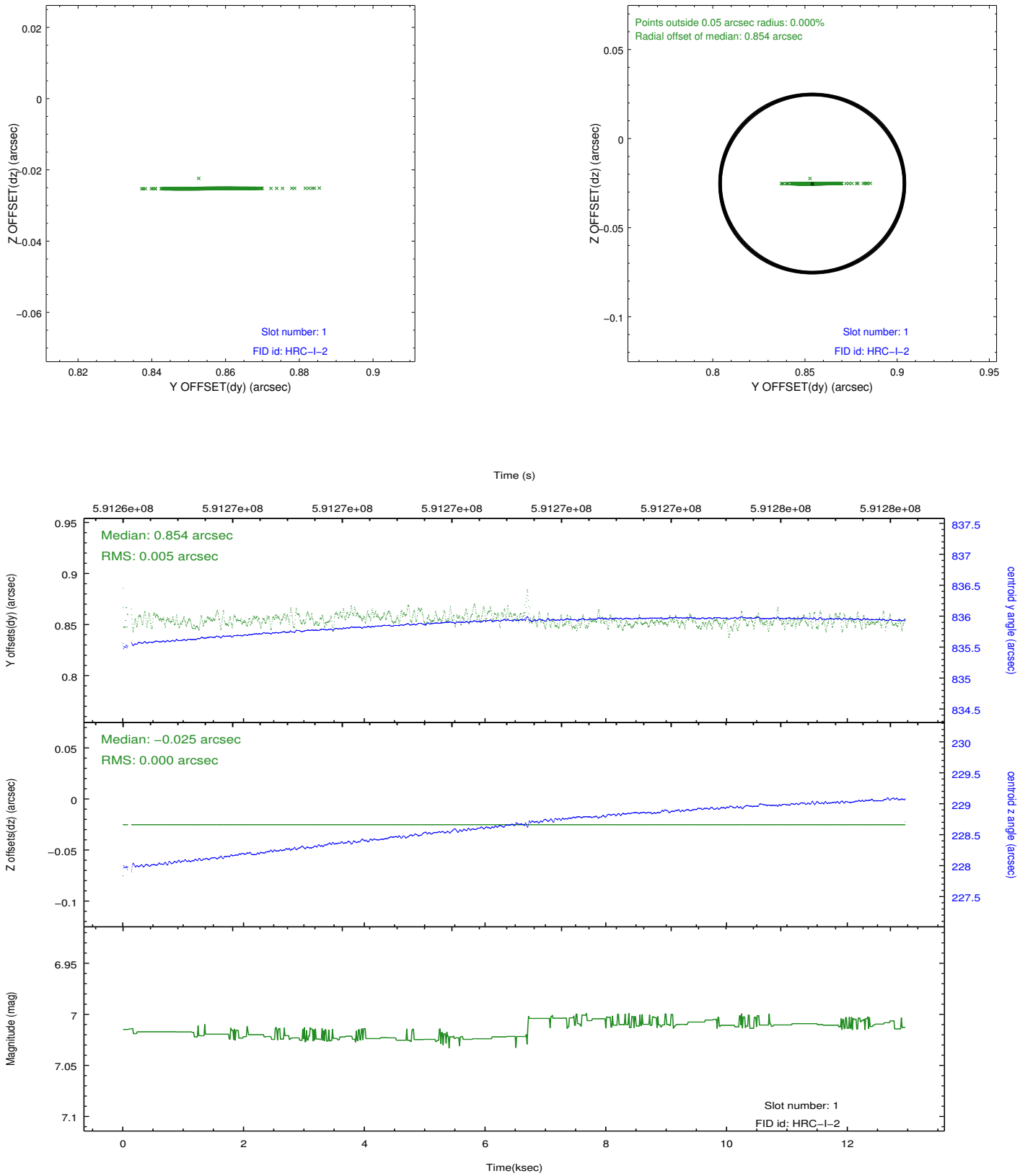


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.464000716567

A.2 Comments

Window constraint met.

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The slot 0 fid radial offset of 0.775 and the slot 1 fid radial offset of 0.854 arcsec are acceptable for this observation which, as the HRC portion of an undercover, has a large SIM offset (74.98mm) and only two available fid lights.