

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19812 - L2 Version 1
Chandra X-Ray Center

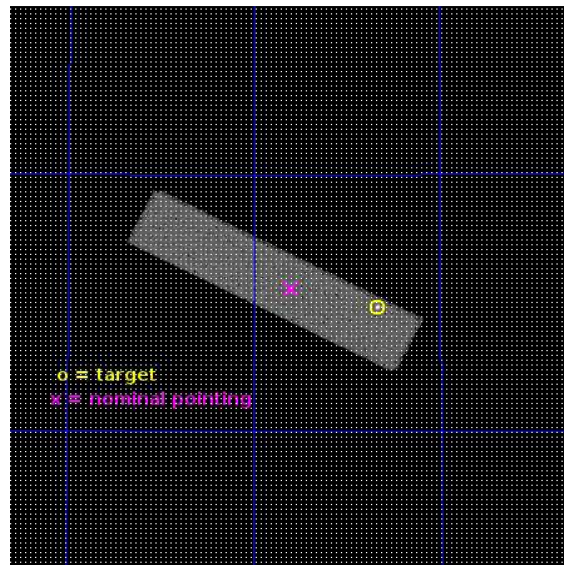
L2 Processing Date : Sep 16 2017

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1 Front

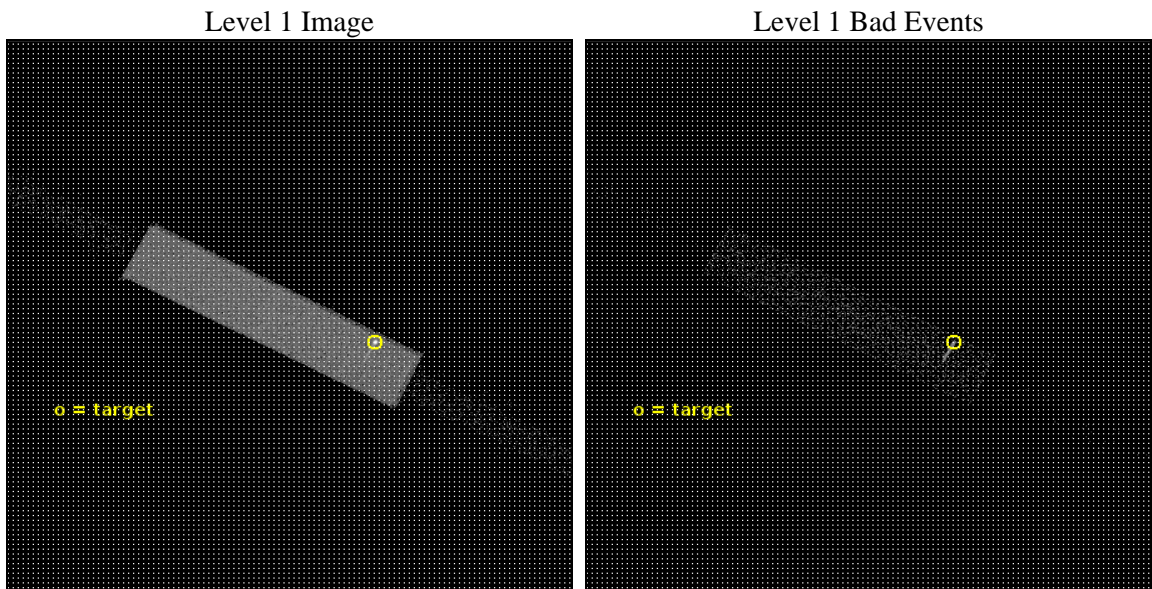
seq_num	291329	Sequence number
obs_id	19812	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.39946570939	Nominal RA [deg]
dec_nom	45.778114106666	Nominal Dec [deg]
roll_nom	206.85042054152	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1167.7313183546	[s]
livetime	1158.0326868025	Ontime multiplied by DTCOR
l2events	76504	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1167.7313183546	[s]
caldsver	4.7.6	 	l1events	115536	Number of level 1 events
date	2017-09-16T05:05:28	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

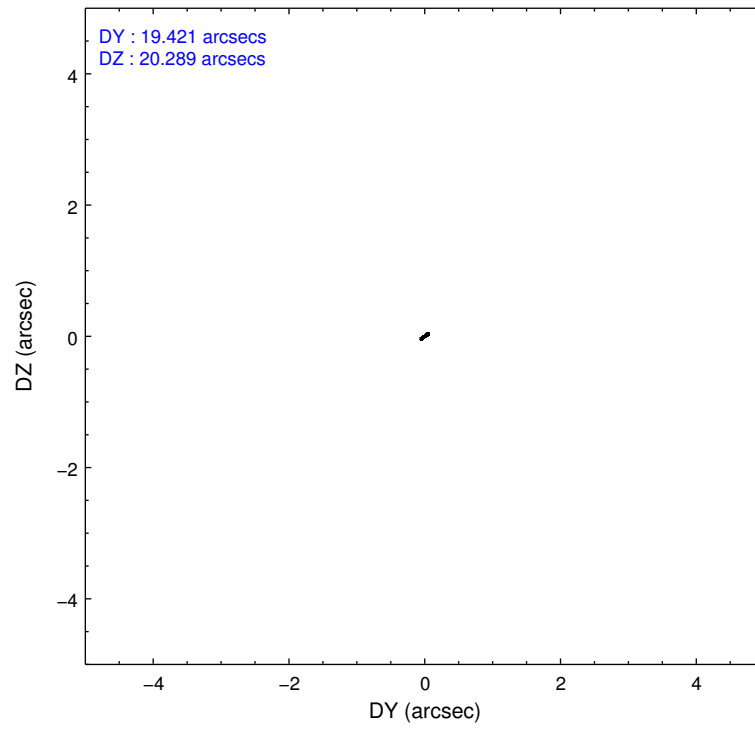
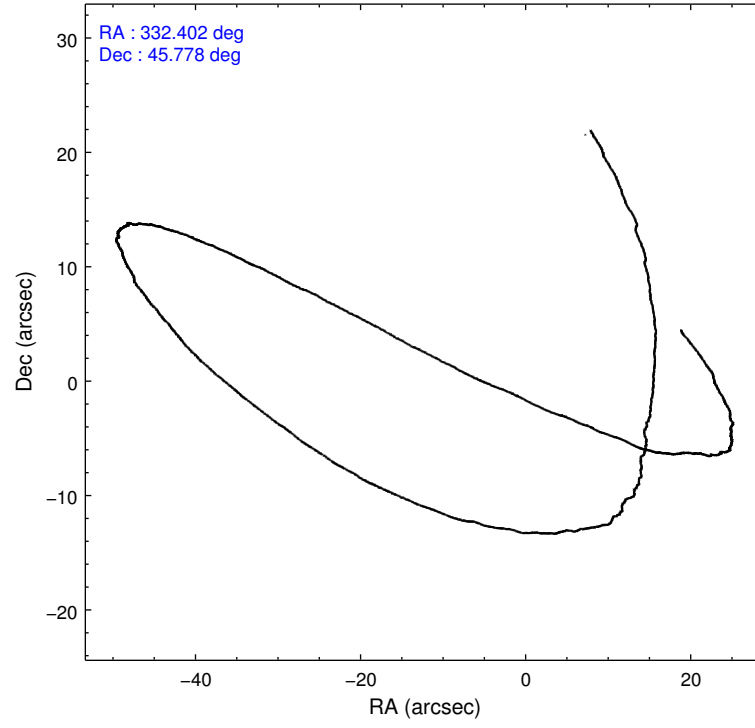
	segment 1	segment 2	segment 3
level 1 events	1187	113269	1080
rejected events	1187	25060	1080
rejected %	100%	22%	100%

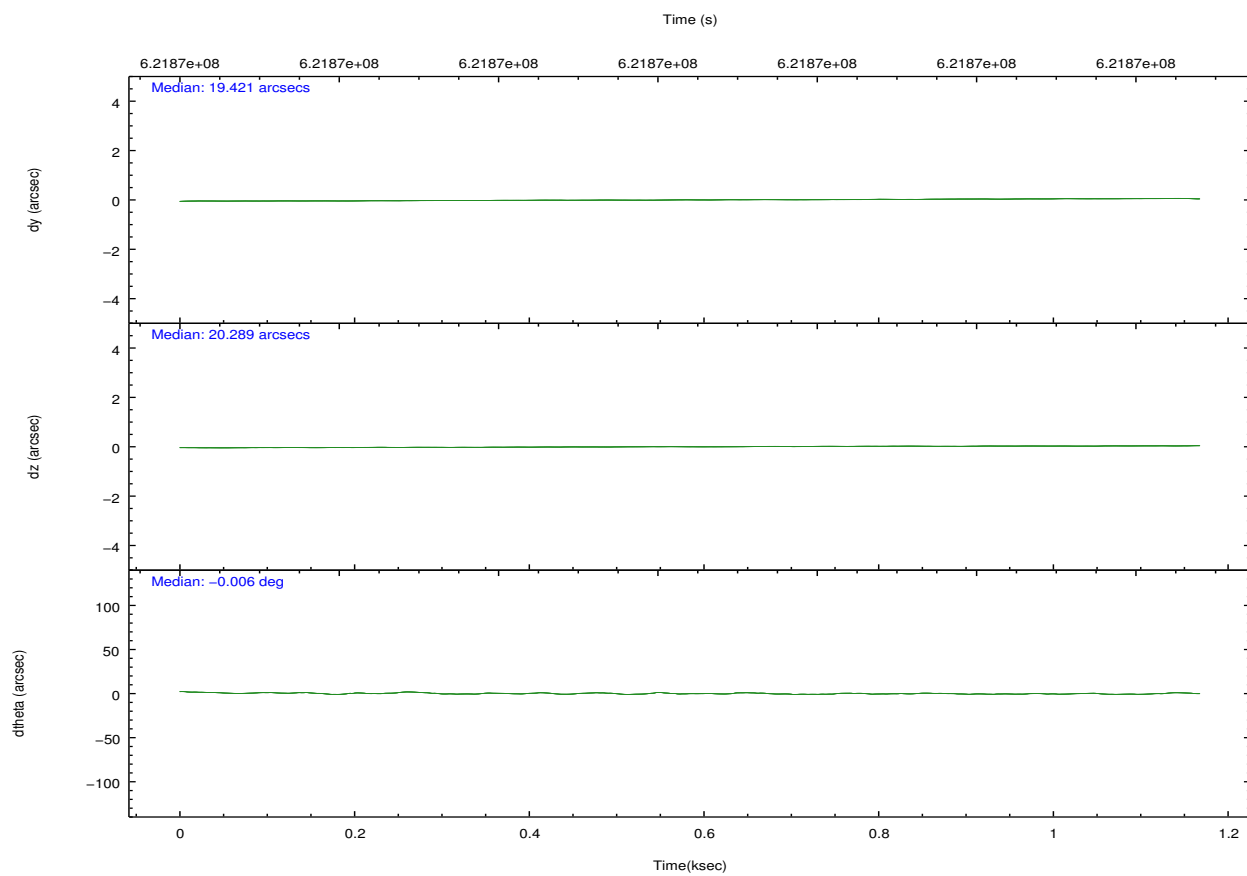
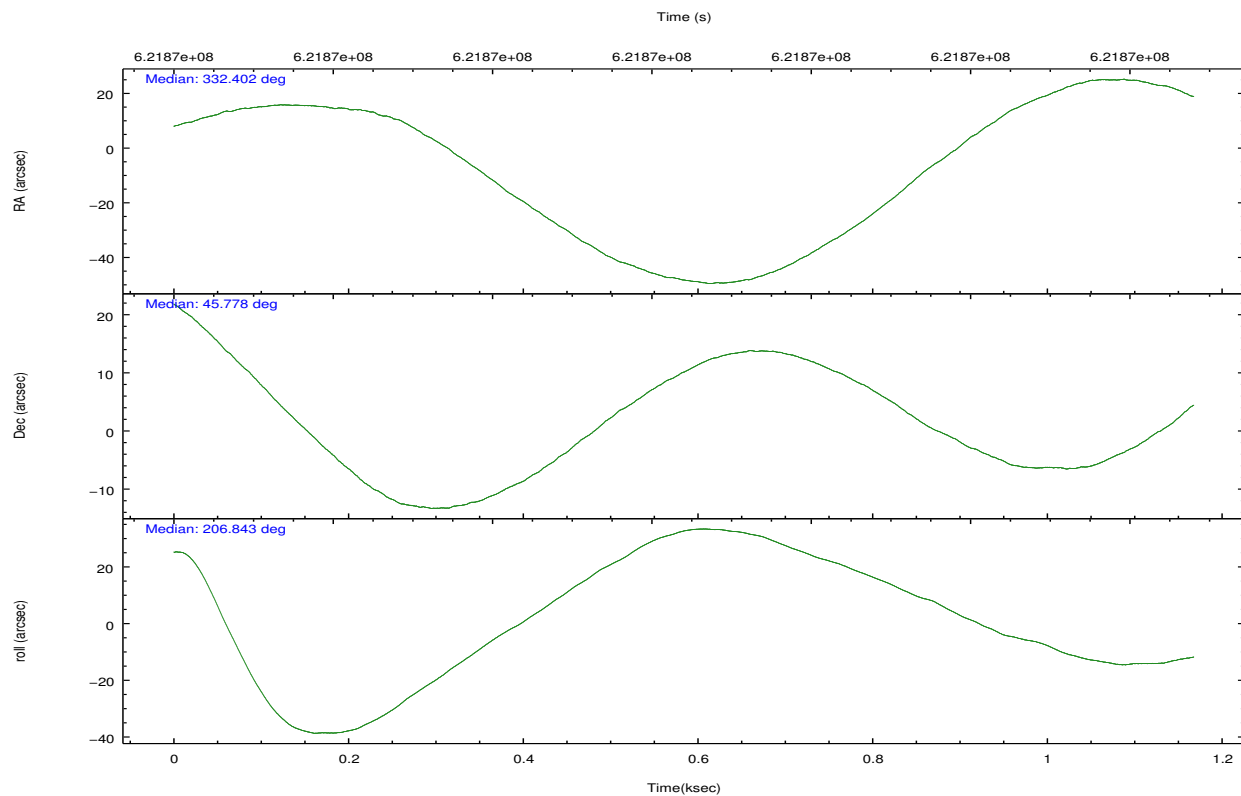
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.419225	332.3994657093893
[deg] Pointing Dec	45.803780	45.77811410666596
[deg] Pointing Roll	206.768831	206.8504205415243
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	621869042.184000	621868666.53249
Observation start date	2017-09-15T13:22:53	2017-09-15T13:17:46
[s] Observation end time (MET)	621870042.184000	621870176.3575799
Observation end date	2017-09-15T13:39:33	2017-09-15T13:42:56

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

2.3 Aspect



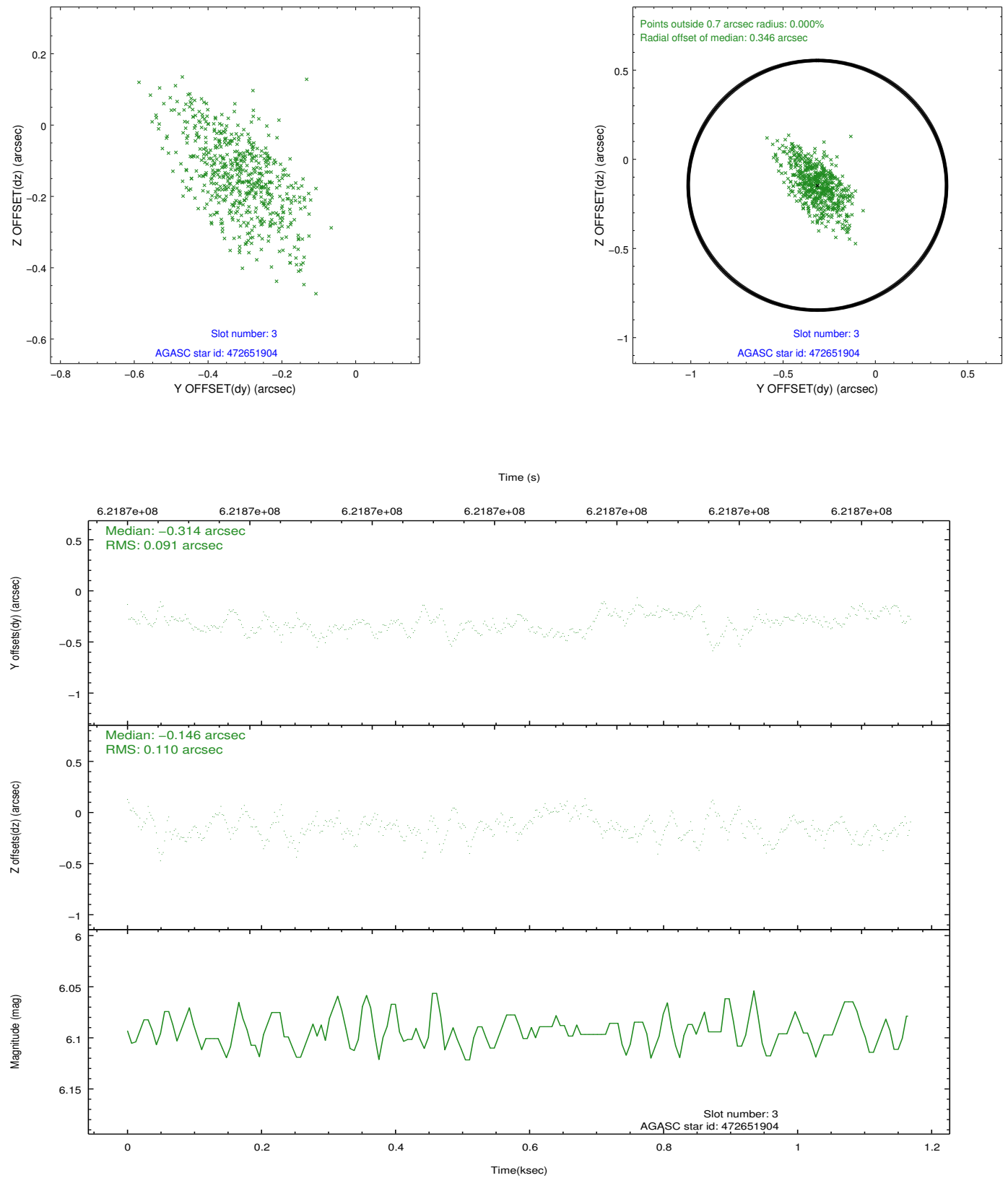


Slot Statistics

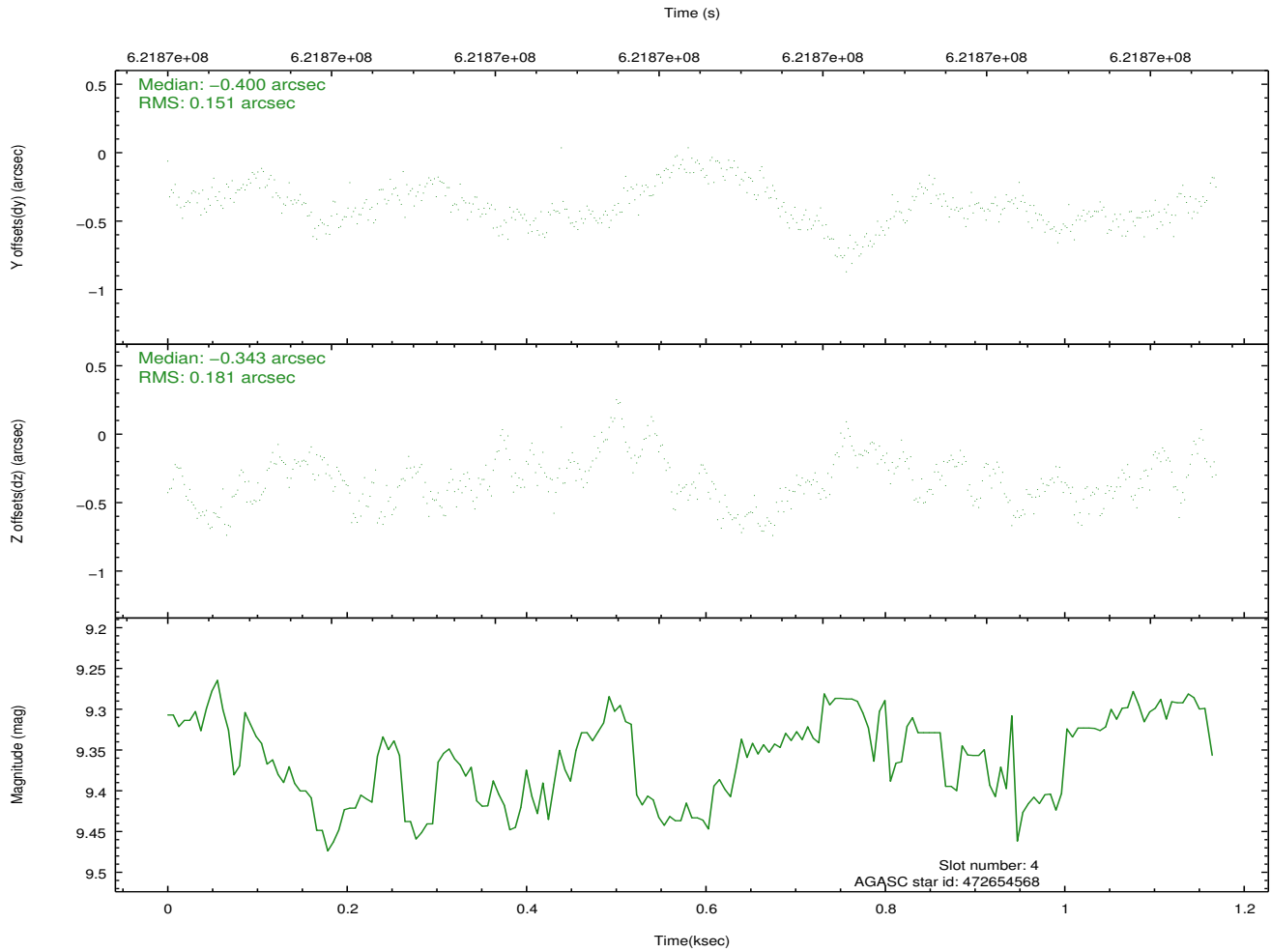
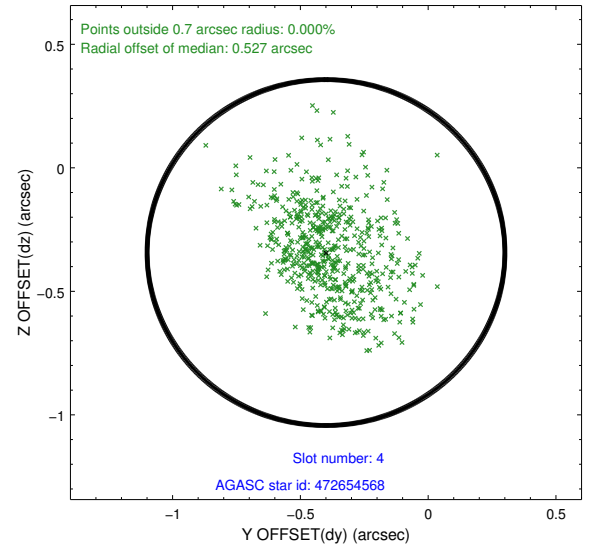
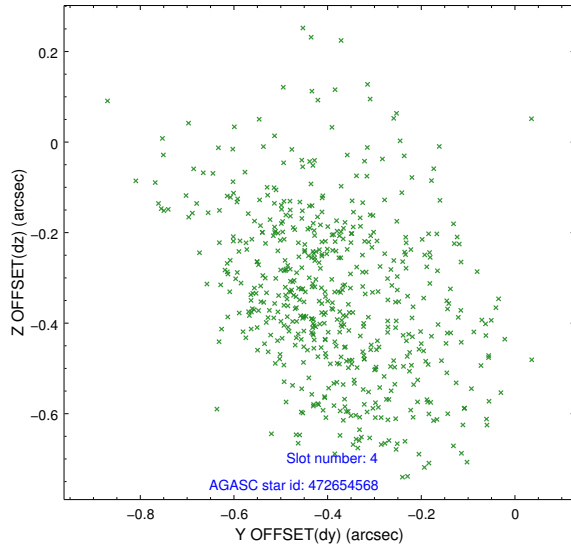
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.06	285	-0.064	-0.261	0.008	0.013	0.000000	0.000000	-1174.04	-469.46
1	FID		HRC-S-2	7.01	285	0.356	-0.113	0.005	0.009	0.000000	0.000000	1221.92	-463.49
2	FID		HRC-S-3	7.03	285	0.098	0.072	0.007	0.012	0.000000	0.000000	-1172.36	558.77
3	GUIDE	used	472651904	6.09	571	-0.314	-0.146	0.148	0.264	332.170077	45.742257	660.06	-89.79
4	GUIDE	used	472654568	9.36	570	-0.400	-0.343	0.248	0.424	332.194449	45.063576	1712.43	2117.30
5	GUIDE	used	472655152	9.39	571	0.032	-0.026	0.235	0.396	332.504239	45.862991	-281.59	-94.03
6	GUIDE	used	472665256	8.98	571	0.357	0.105	0.178	0.336	332.808125	46.195041	-1499.03	-826.96
7	GUIDE	used	472659736	9.33	570	0.309	0.411	0.205	0.313	332.848312	46.590160	-2224.58	-2056.84

2.4 Star Slots

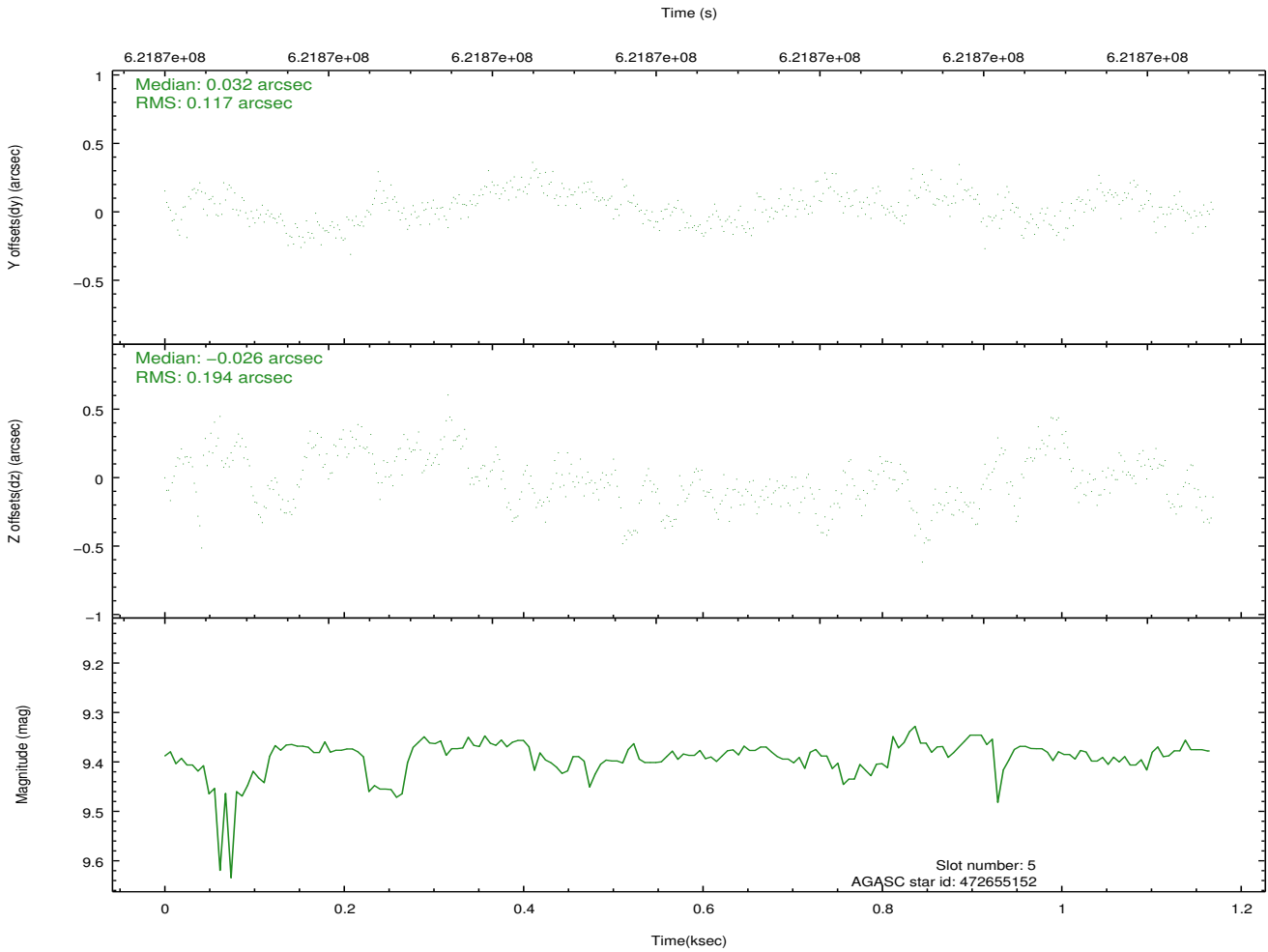
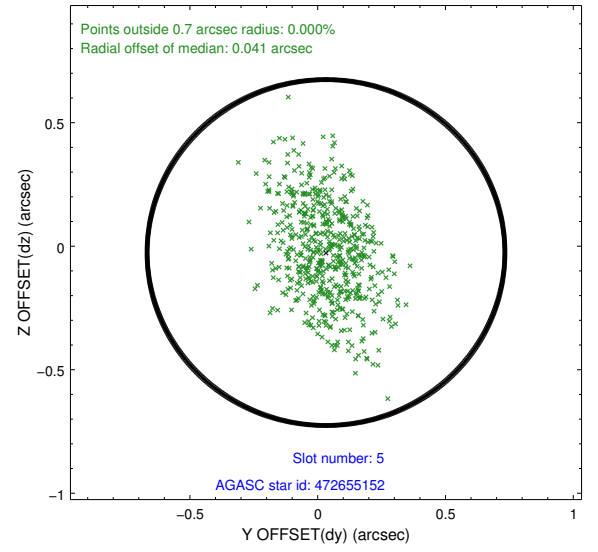
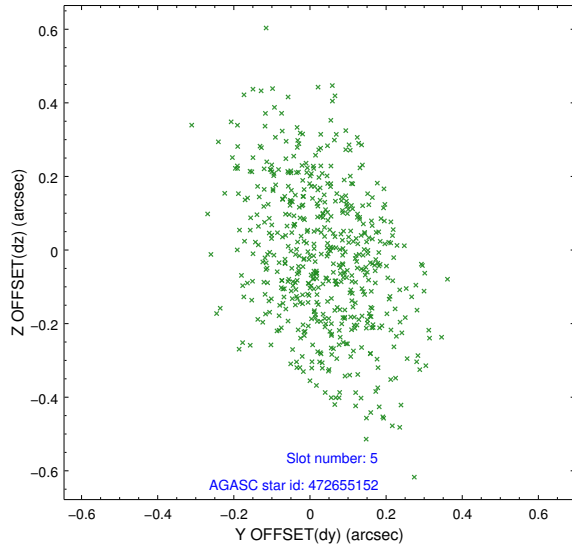
2.4.1 Slot 3



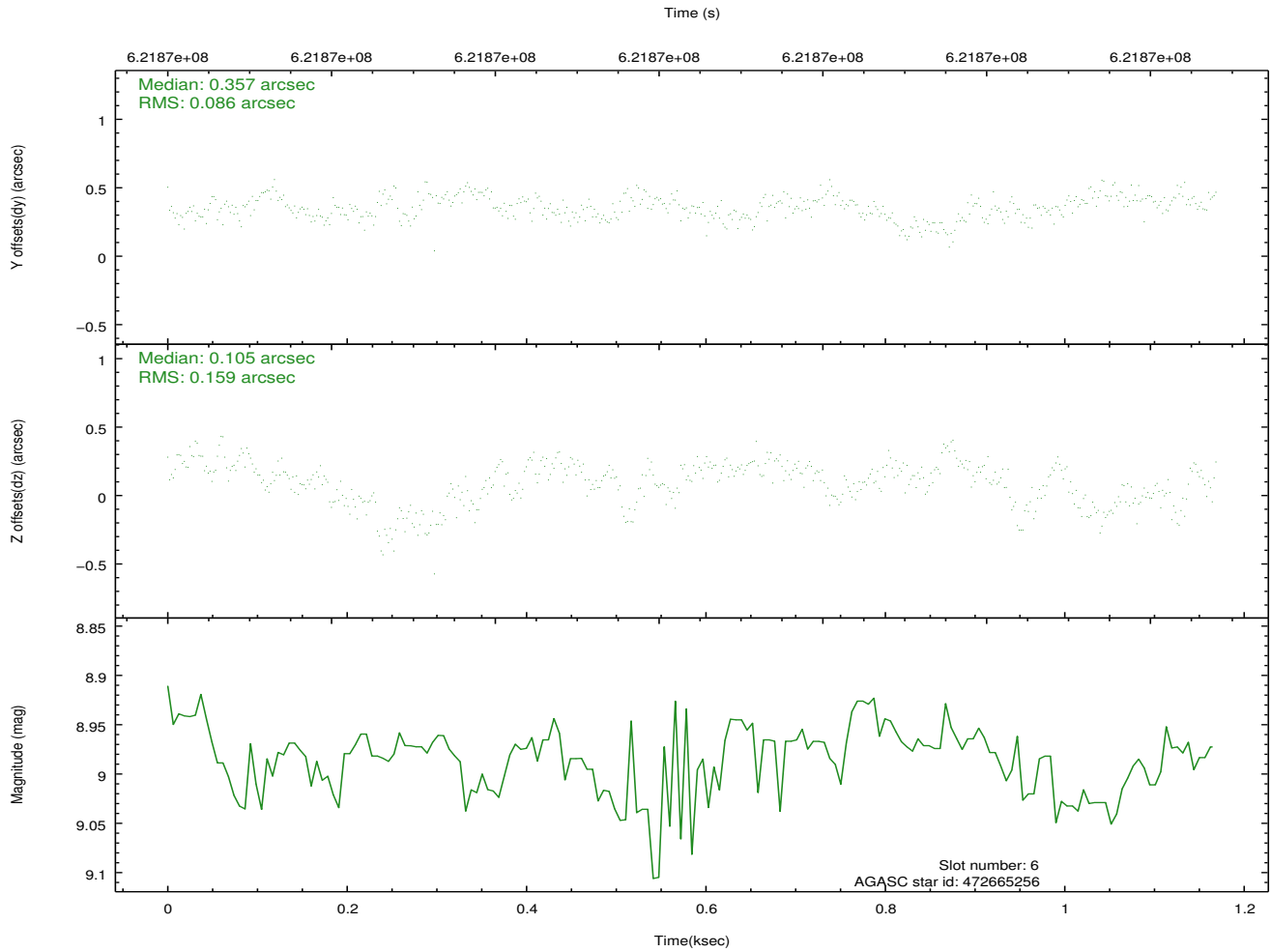
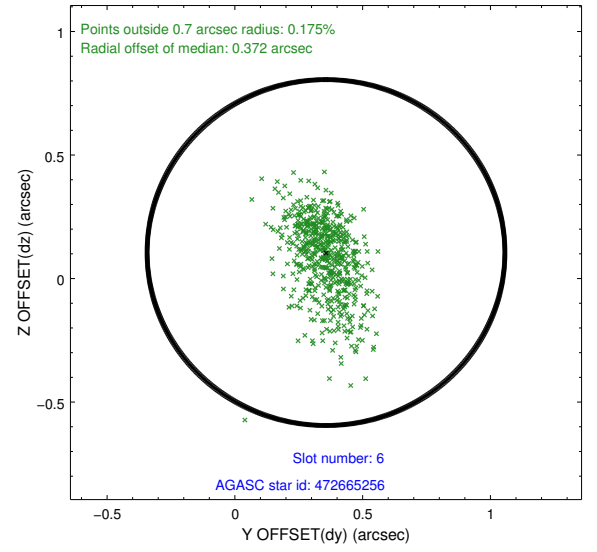
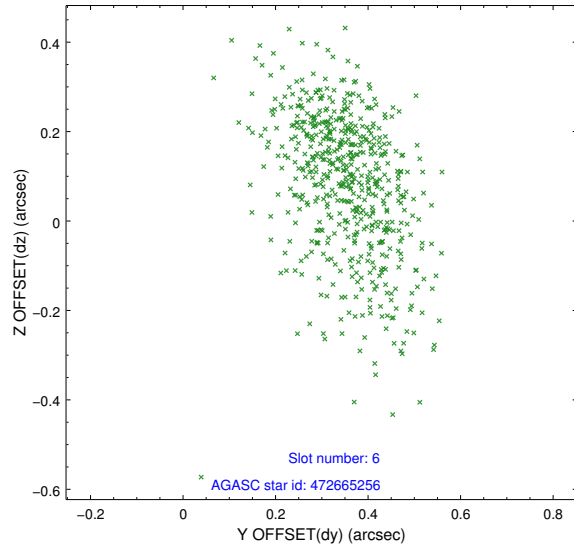
2.4.2 Slot 4



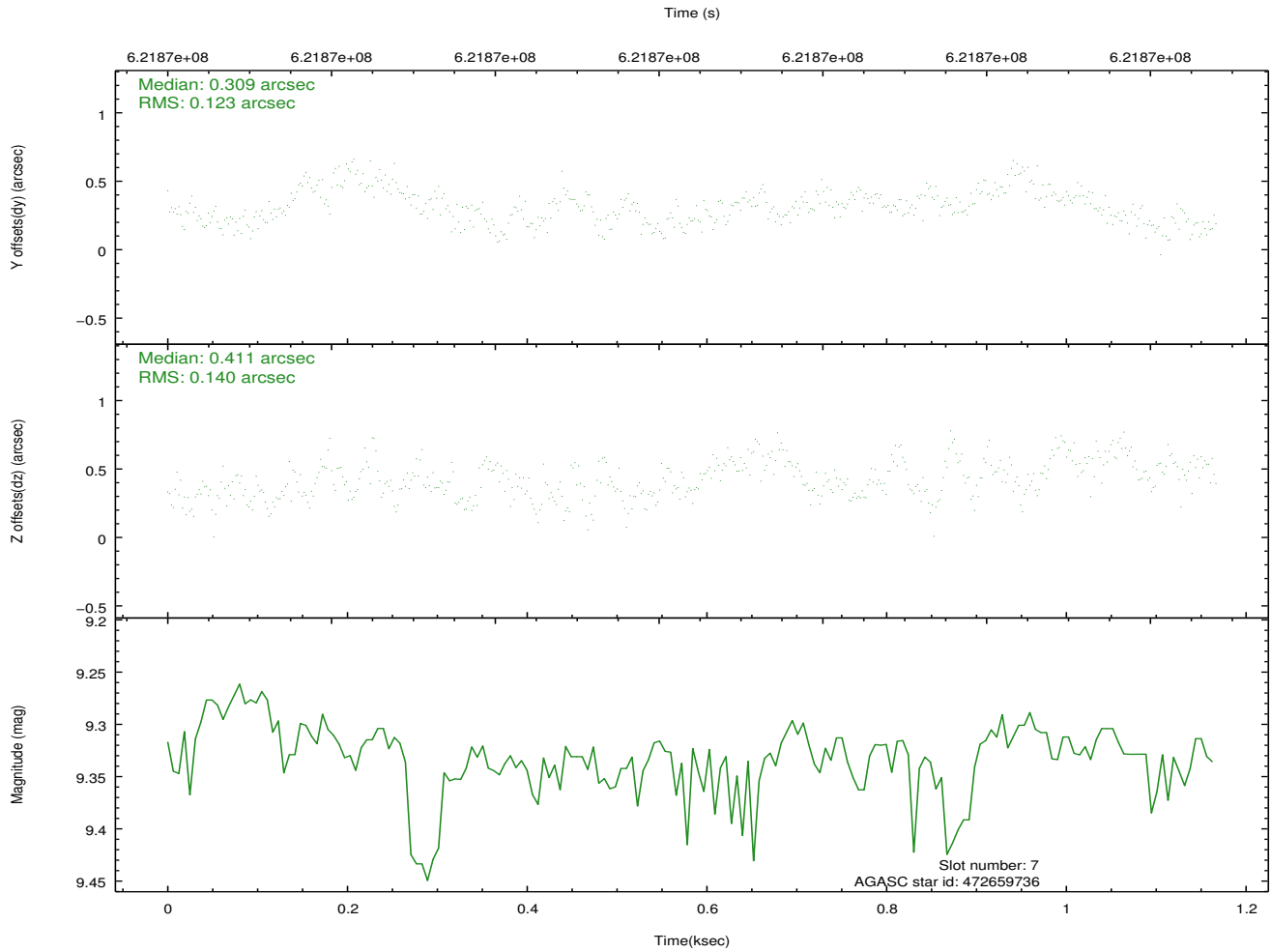
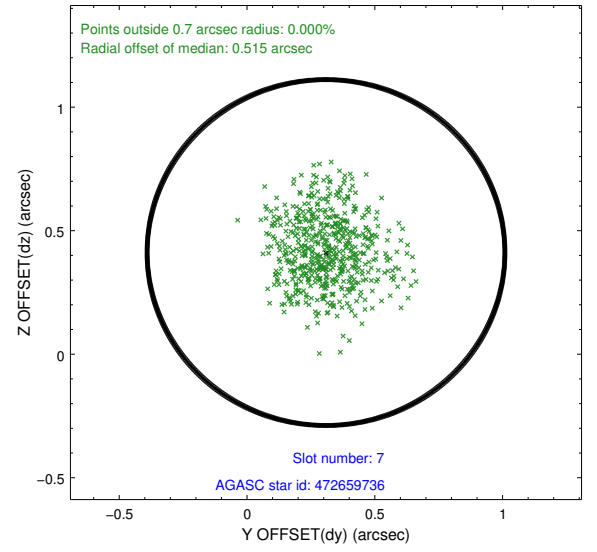
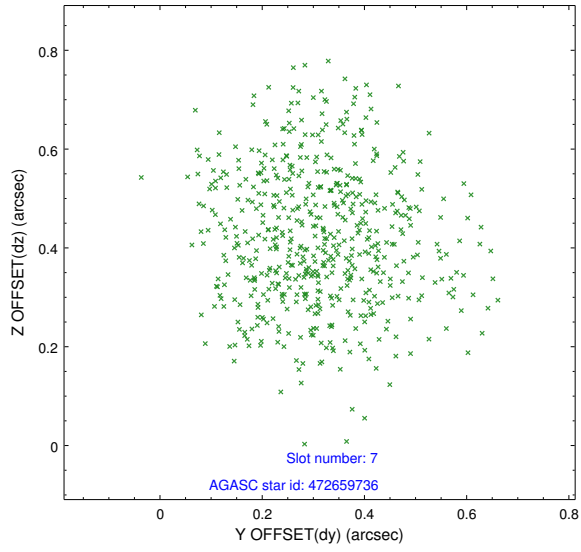
2.4.3 Slot 5



2.4.4 Slot 6

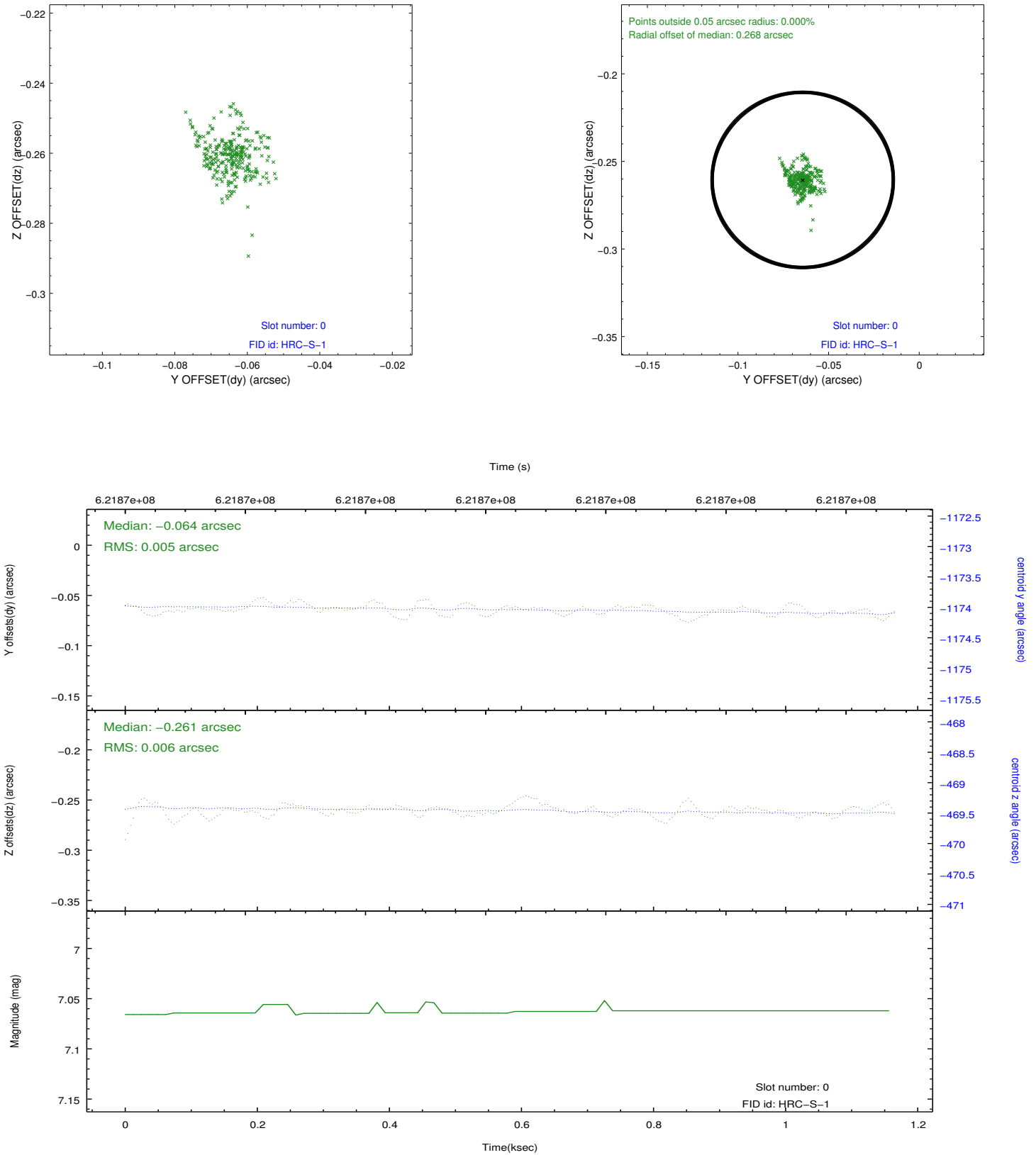


2.4.5 Slot 7

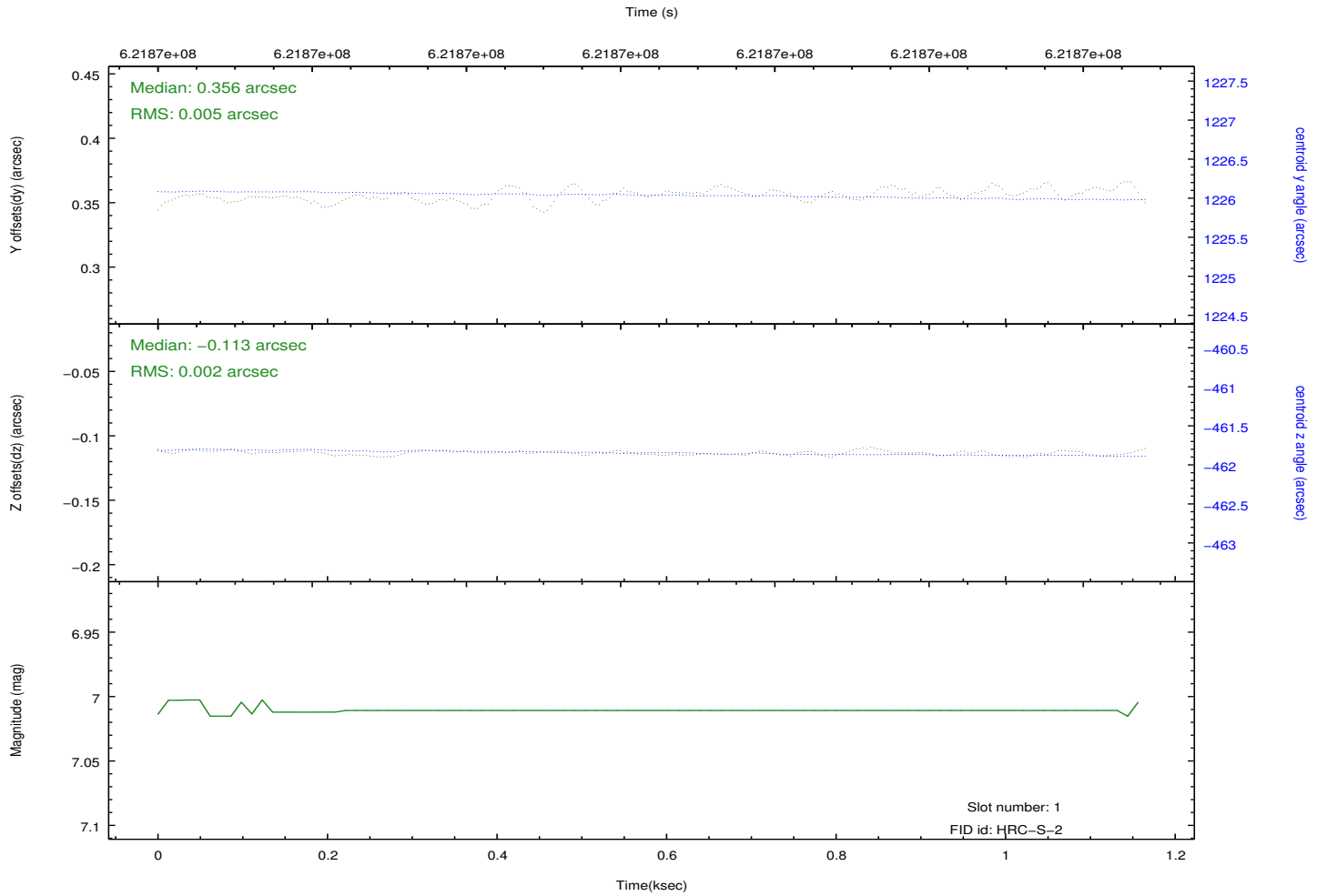
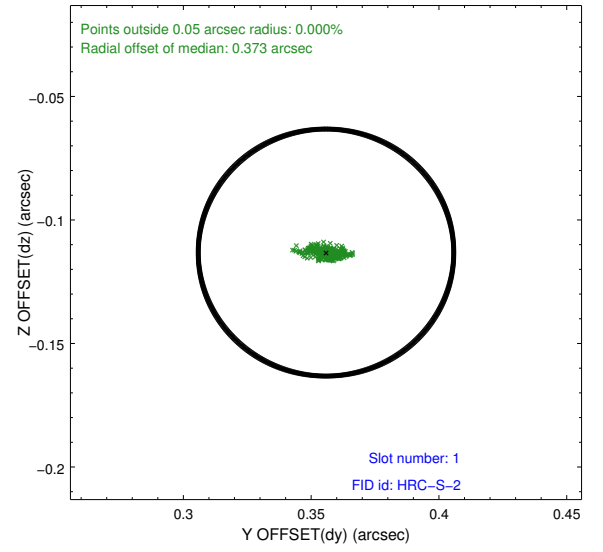
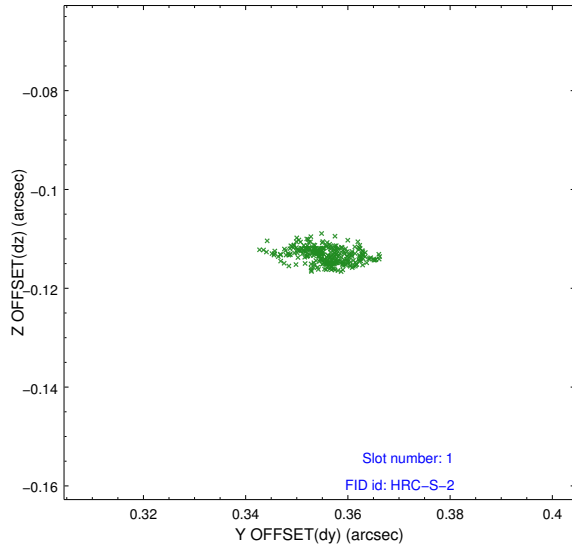


2.5 FID Slots

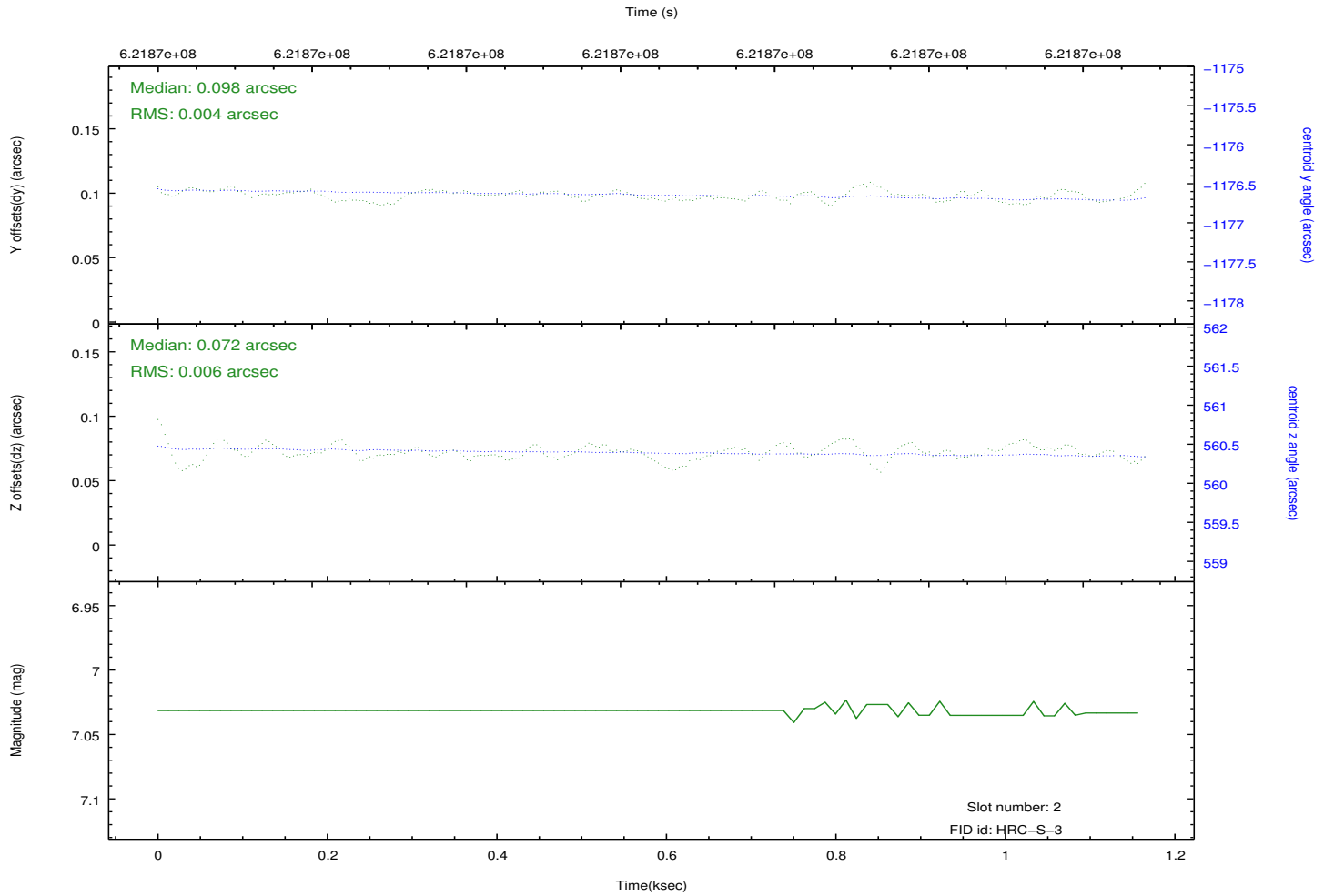
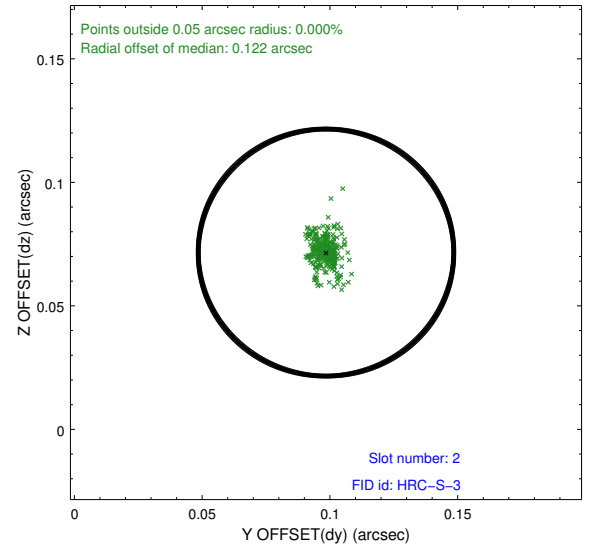
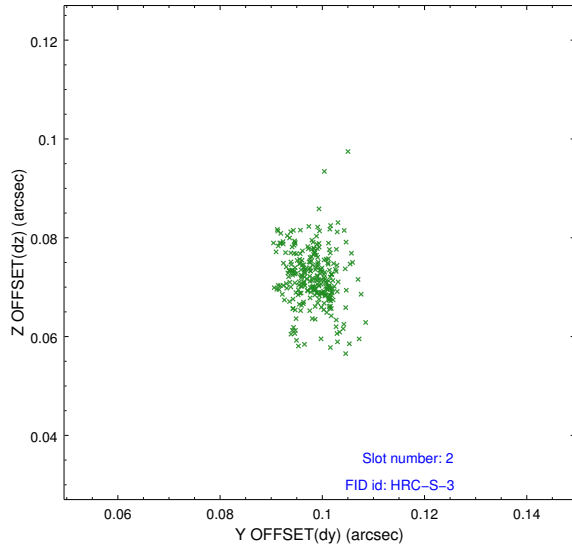
2.5.1 Slot 0



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)	2017.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1677313183546

A.2 Comments