

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 16682 - L2 Version 1
Chandra X-Ray Center

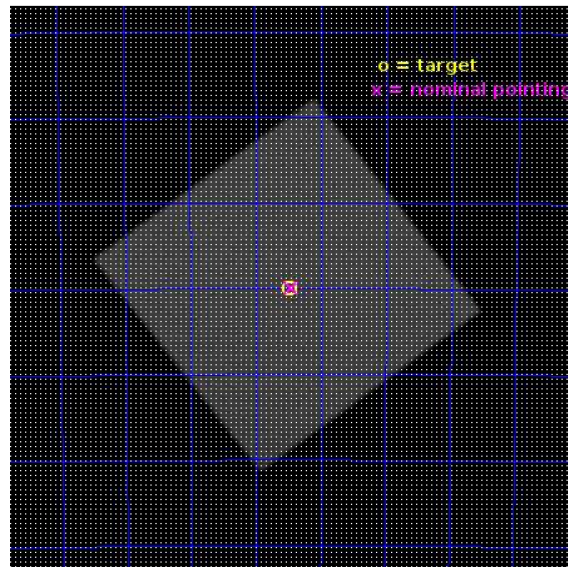
L2 Processing Date : Oct 28 2017

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1 Front

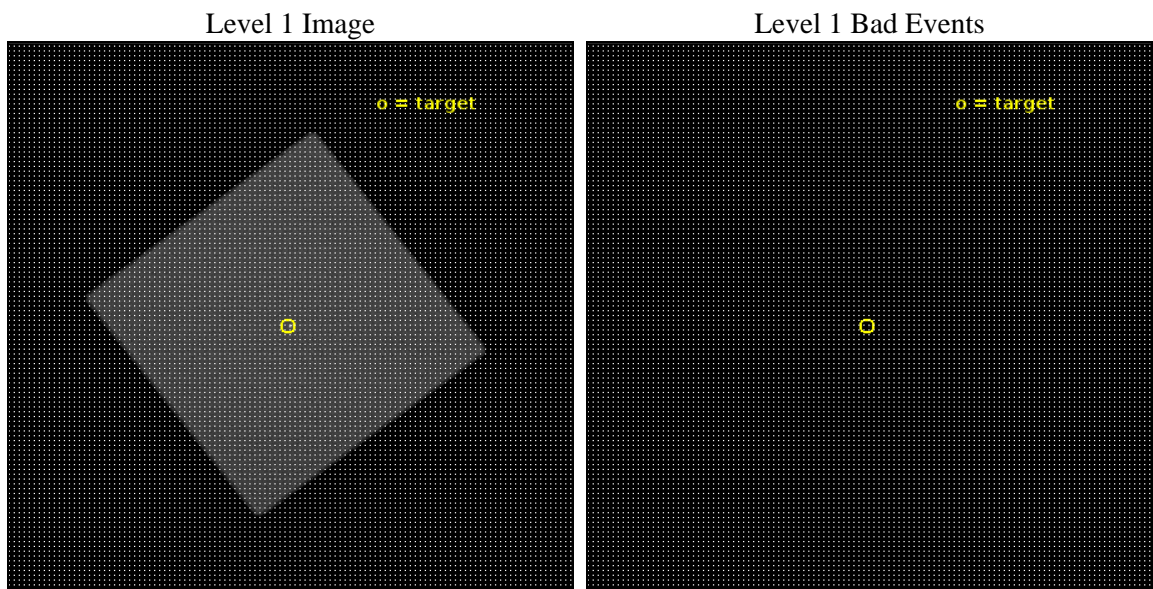
seq_num	201003	Sequence number
obs_id	16682	Observation id
title	Alpha Centauri at a Crossroads	Proposal title
observer	Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.867917	Observer's specified target RA [deg]
dec_targ	-60.832556	Observer's specified target Dec [deg]
ra_nom	219.86239579833	Nominal RA [deg]
dec_nom	-60.831837449184	Nominal Dec [deg]
roll_nom	187.8997385702	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10122.9005934	[s]
livetime	9999.3571995125	Ontime multiplied by DTCOR
l2events	1069917	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	10122.9005934	[s]
caldsver	4.7.6	 	l1events	1619141	Number of level 1 events
date	2017-10-28T04:27:22	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

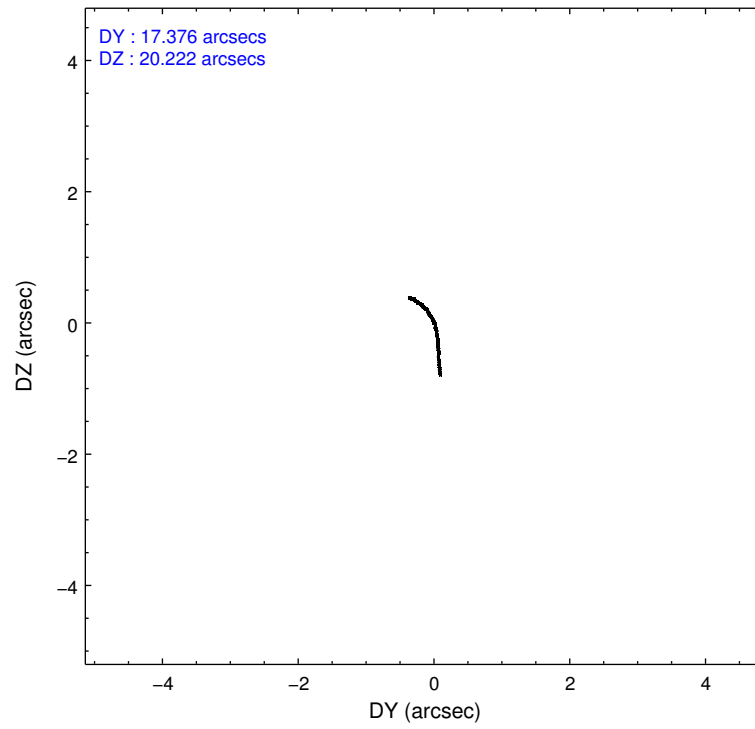
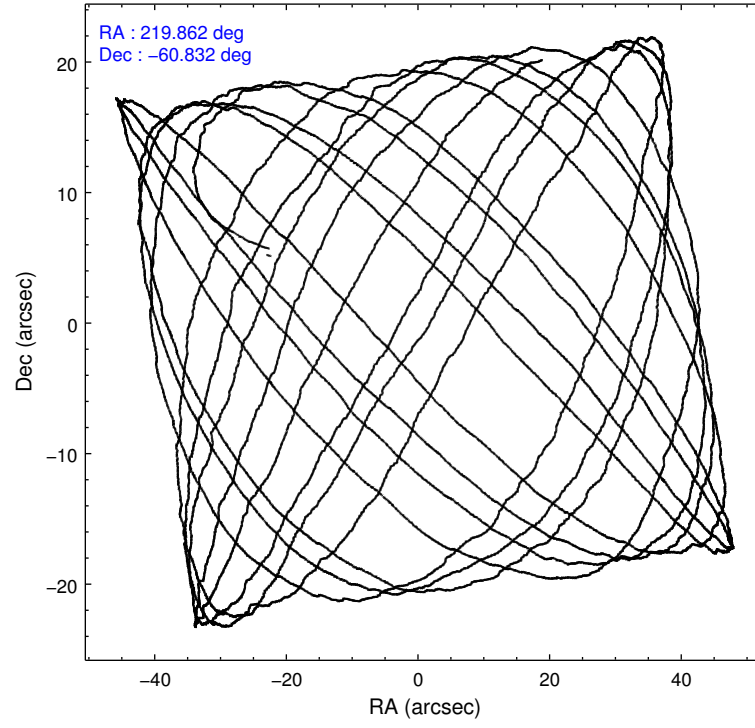
Level 1 Events

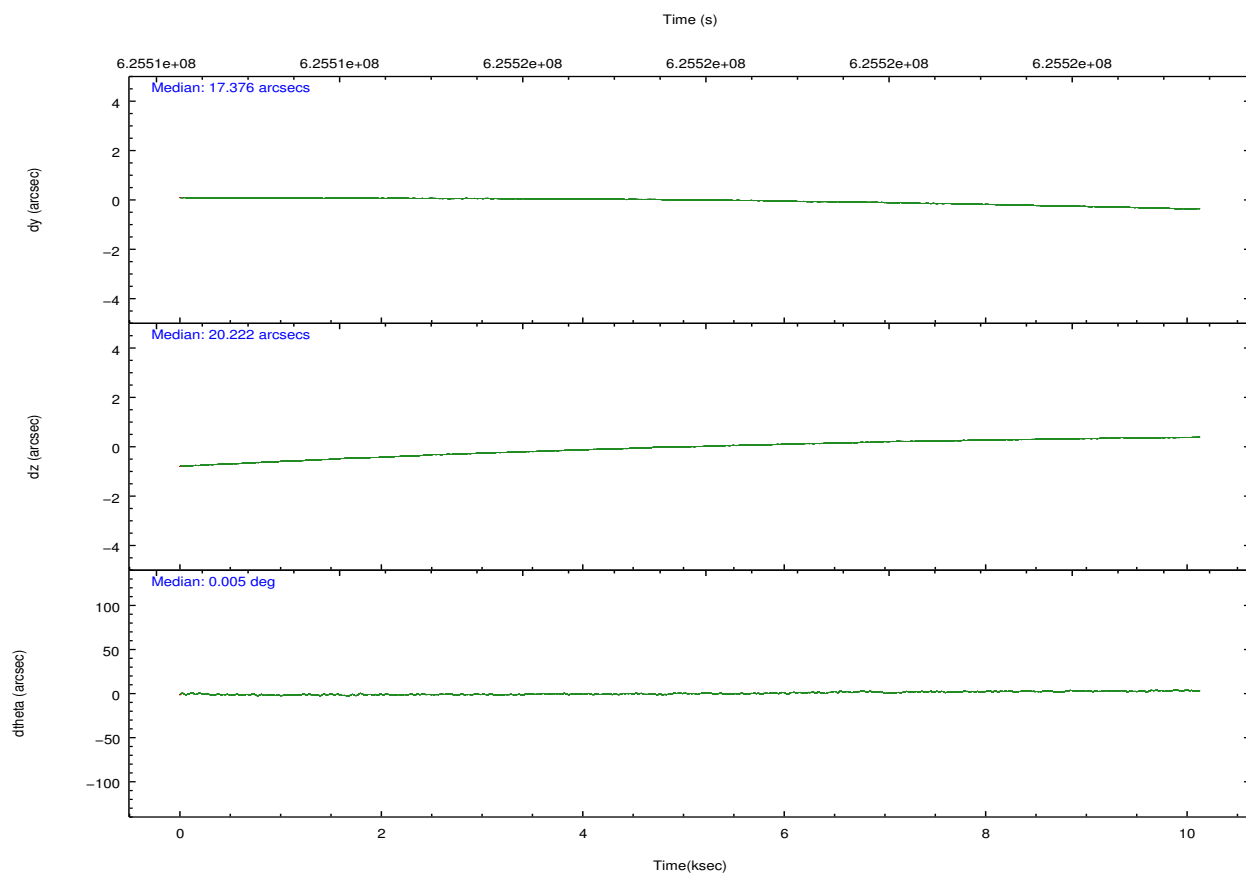
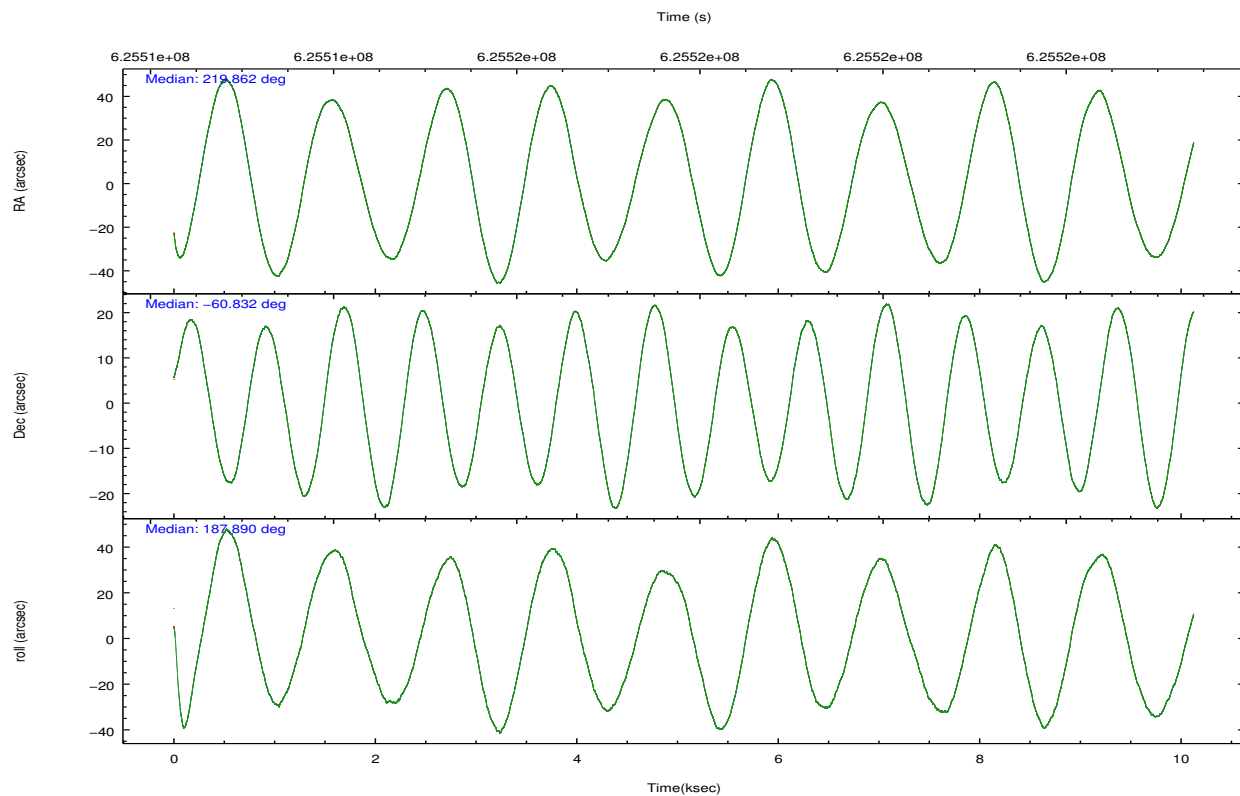
	segment 0
level 1 events	1619141
rejected events	213429
rejected %	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	219.905912	219.8623957983264			
[deg] Pointing Dec	-60.814621	-60.83183744918394			
[deg] Pointing Roll	188.033179	187.8997385701987			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	625512857.184000	625511208.22086			
Observation start date	2017-10-27T17:33:08	2017-10-27T17:06:48			
[s] Observation end time (MET)	625522857.184000	625524264.67163			
Observation end date	2017-10-27T20:19:48	2017-10-27T20:44:24			

2.3 Aspect



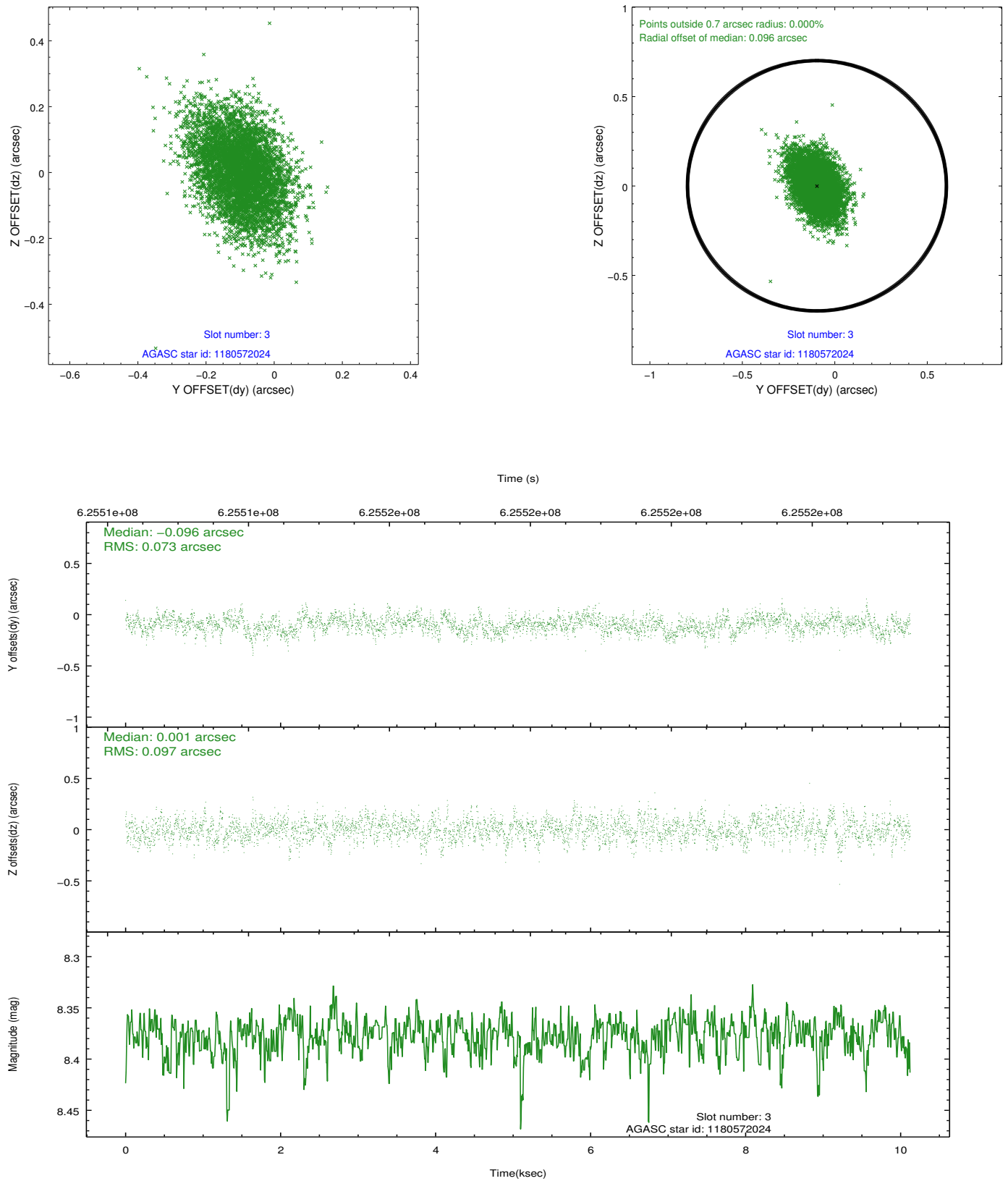


Slot Statistics

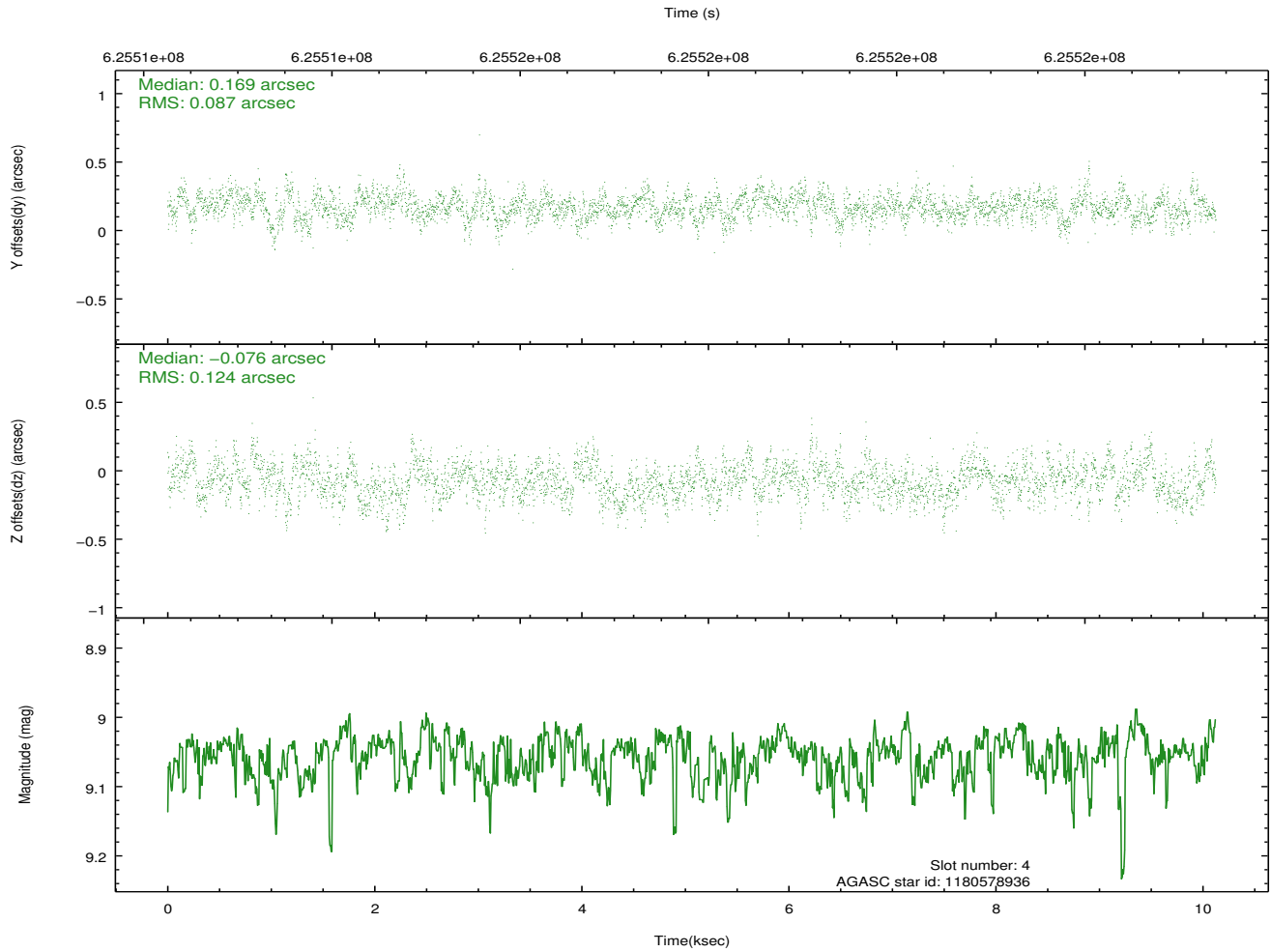
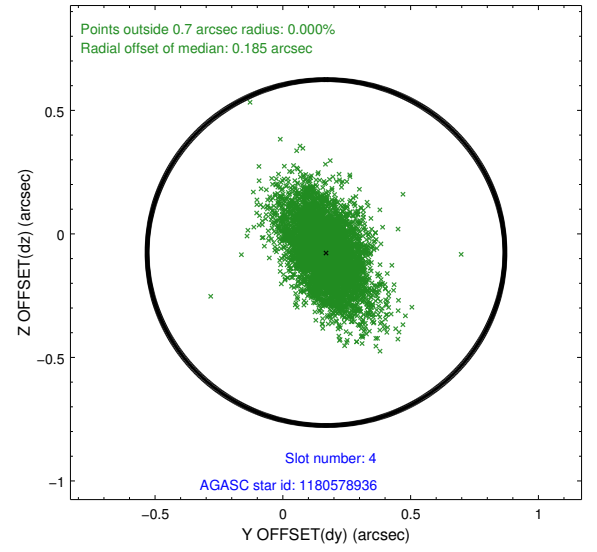
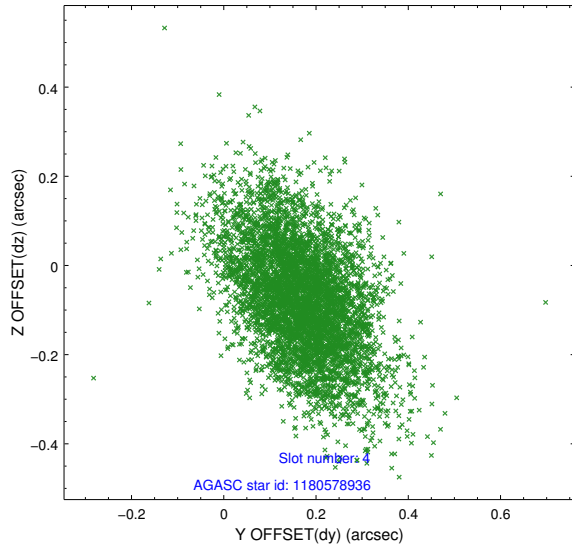
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.02	2470	-0.200	-0.007	0.012	0.029	0.000000	0.000000	-773.30	-1308.44
1	FID		HRC-I-2	7.04	2470	0.326	-0.088	0.011	0.018	0.000000	0.000000	839.54	-1310.52
2	FID		HRC-I-3	7.09	2470	-0.006	0.008	0.013	0.021	0.000000	0.000000	-1201.39	995.58
3	GUIDE	used	1180572024	8.38	4938	-0.096	0.001	0.127	0.215	220.930377	-60.981487	-1685.62	858.86
4	GUIDE	used	1180578936	9.05	4933	0.169	-0.076	0.155	0.275	220.919358	-61.155393	-1569.73	1474.50
5	GUIDE	used	1180589152	9.23	4933	-0.417	-0.509	0.191	0.305	219.760705	-61.382926	532.97	1991.43
6	GUIDE	used	1180604328	9.37	4936	0.153	0.607	0.212	0.360	220.916809	-60.127846	-2137.67	-2180.01
7	GUIDE	used	1180607792	9.22	4933	0.205	-0.022	0.208	0.351	218.783899	-60.204433	1683.18	-2438.47

2.4 Star Slots

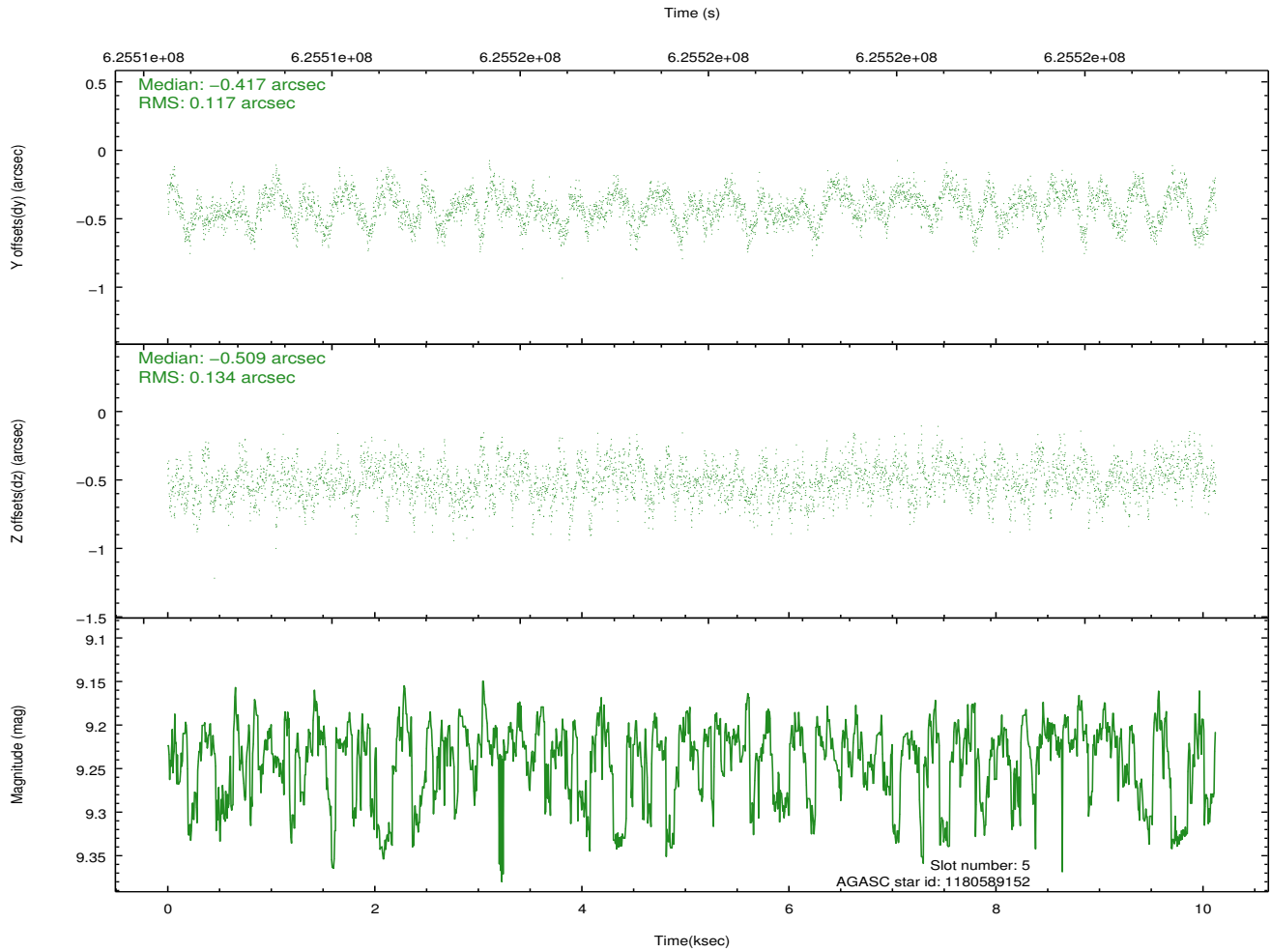
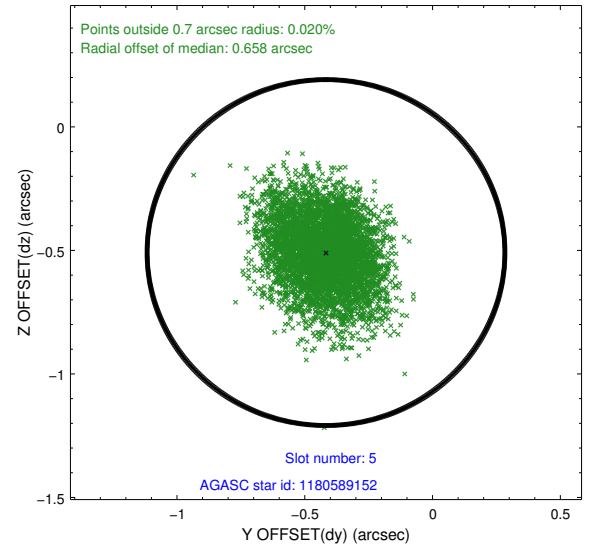
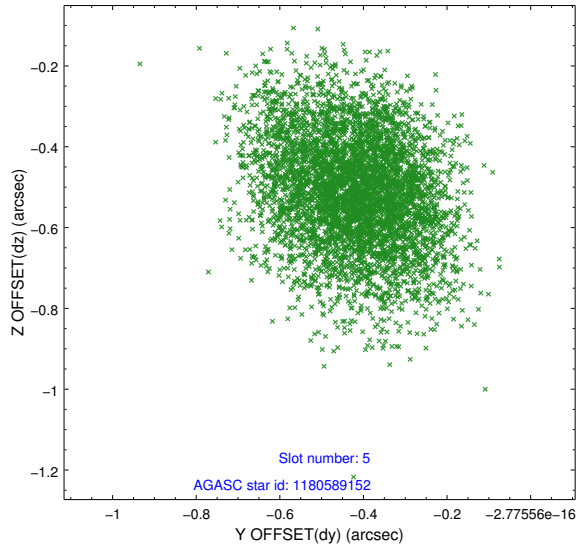
2.4.1 Slot 3



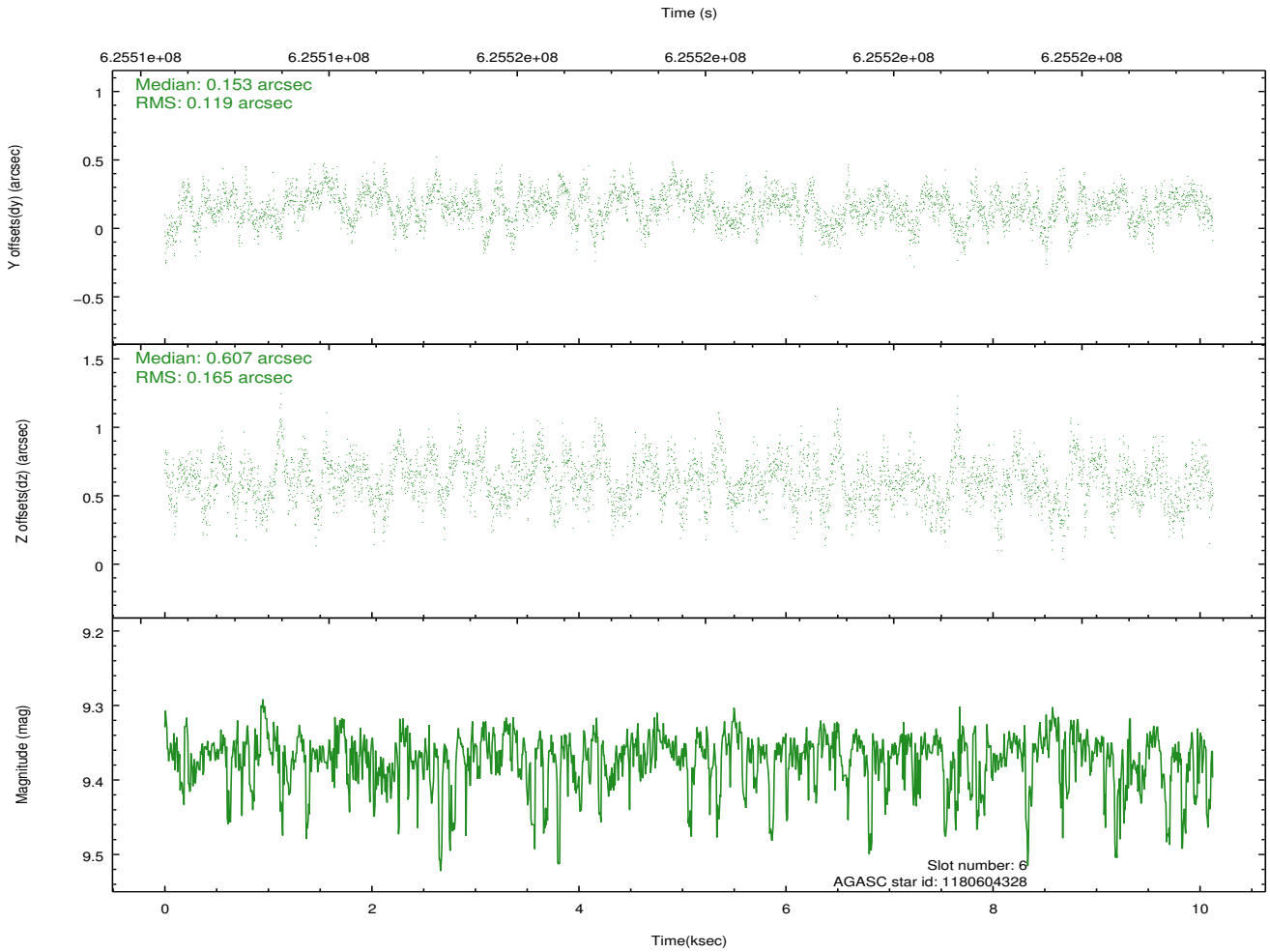
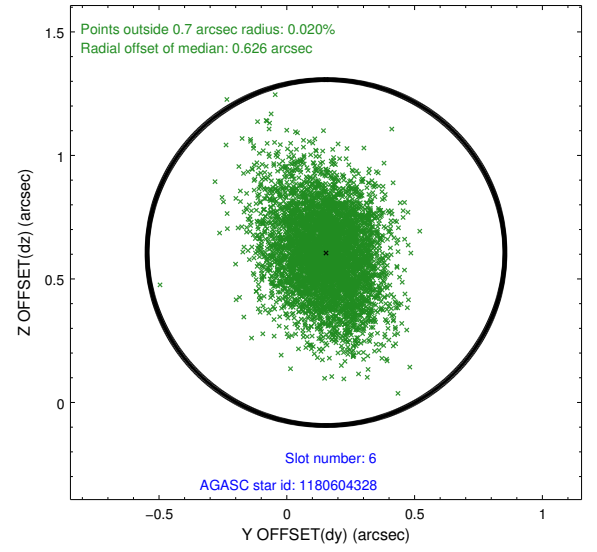
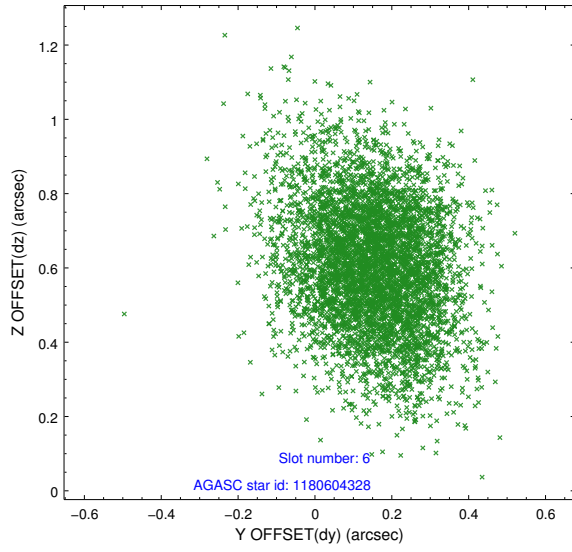
2.4.2 Slot 4



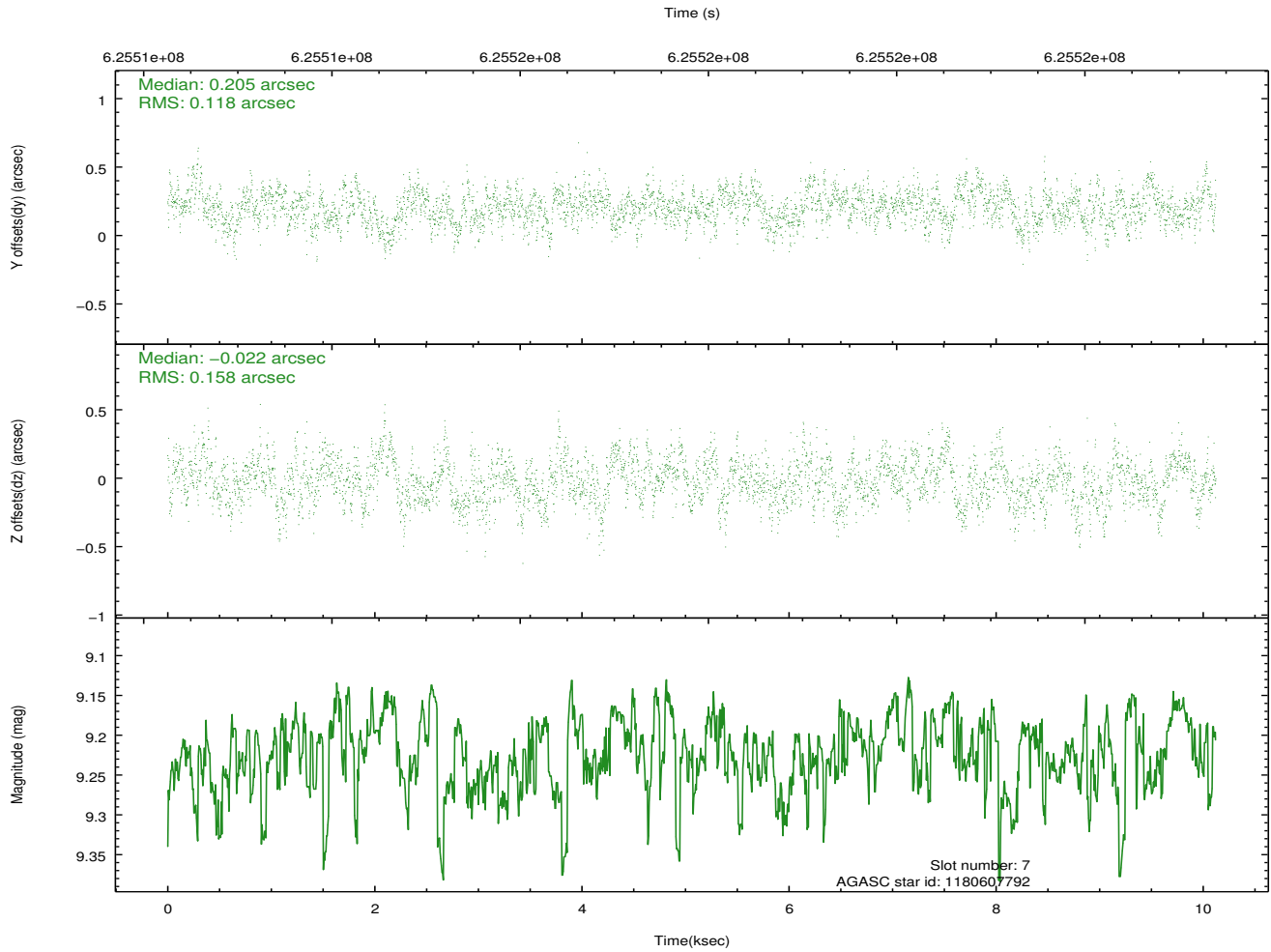
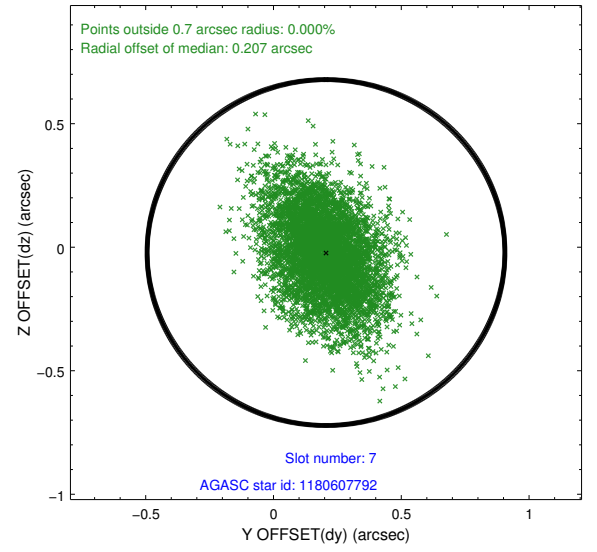
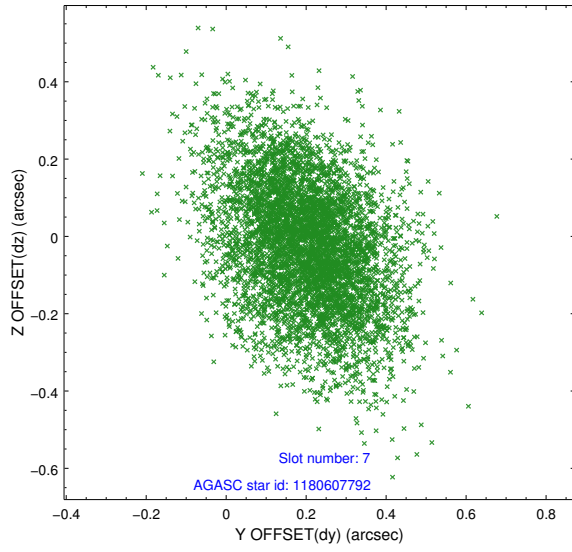
2.4.3 Slot 5



2.4.4 Slot 6

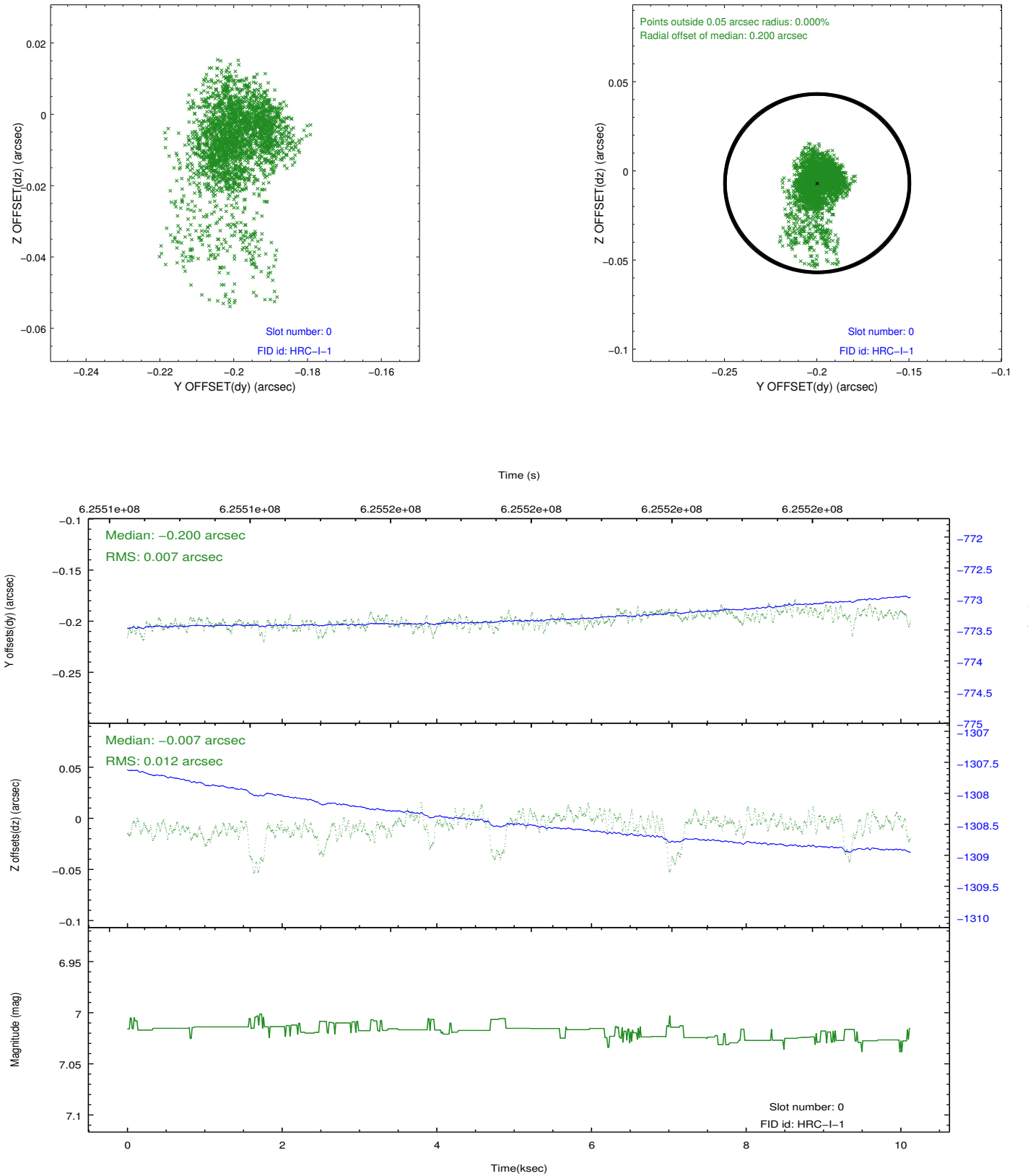


2.4.5 Slot 7

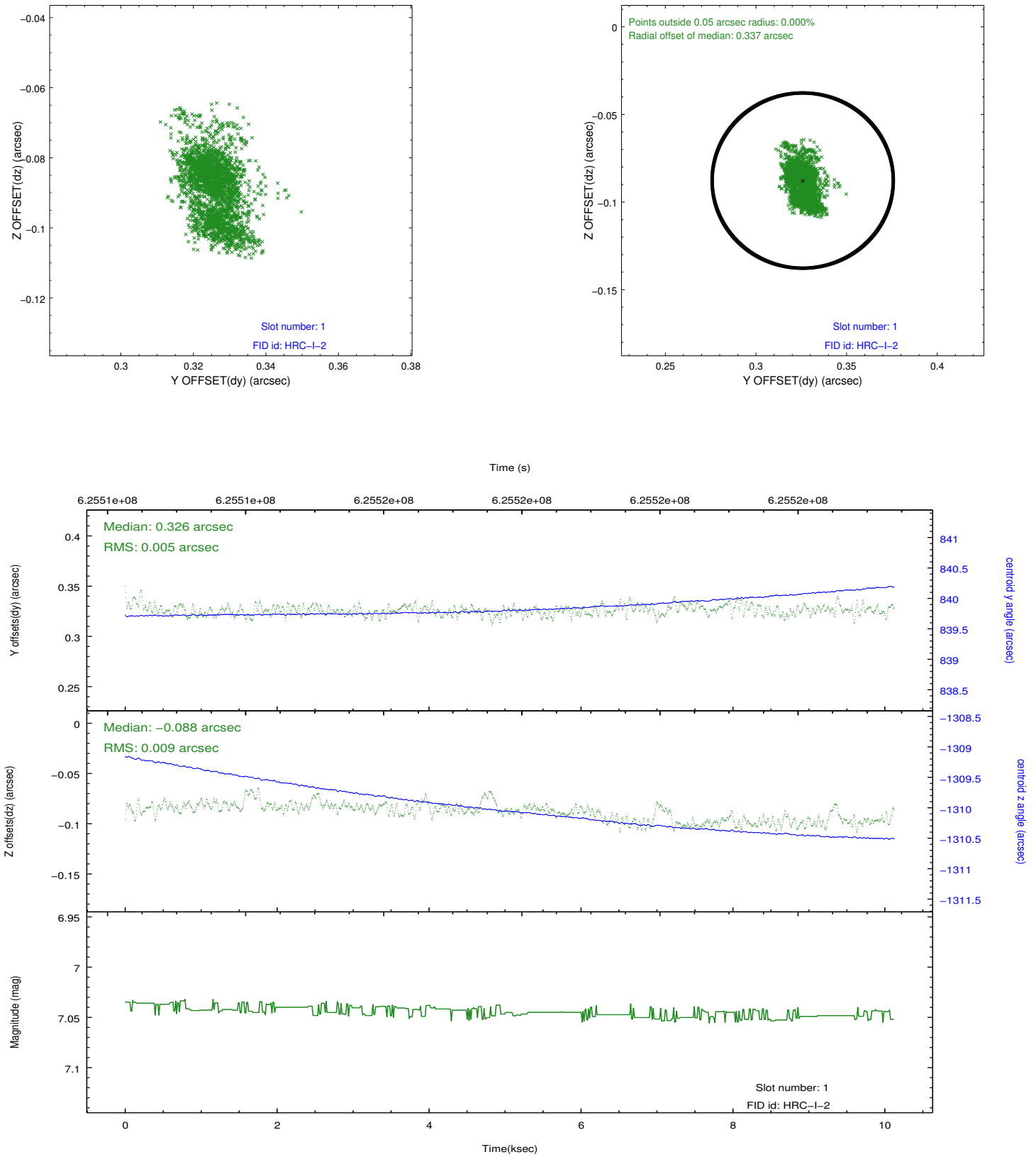


2.5 FID Slots

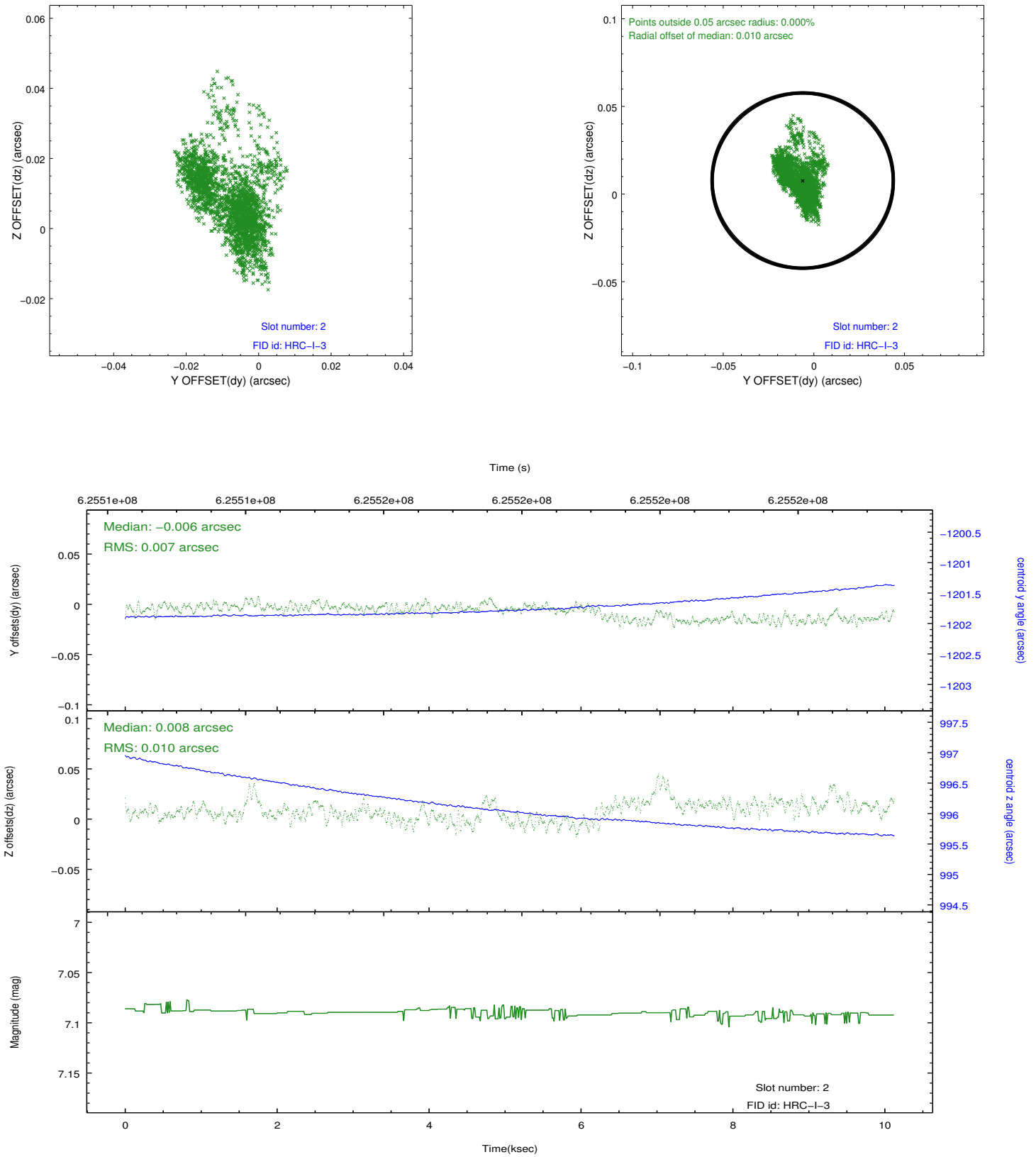
2.5.1 Slot 0



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)	2017.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1229005934

A.2 Comments

Joint proposal with HST.