

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7870 - L2 Version 3  
Chandra X-Ray Center

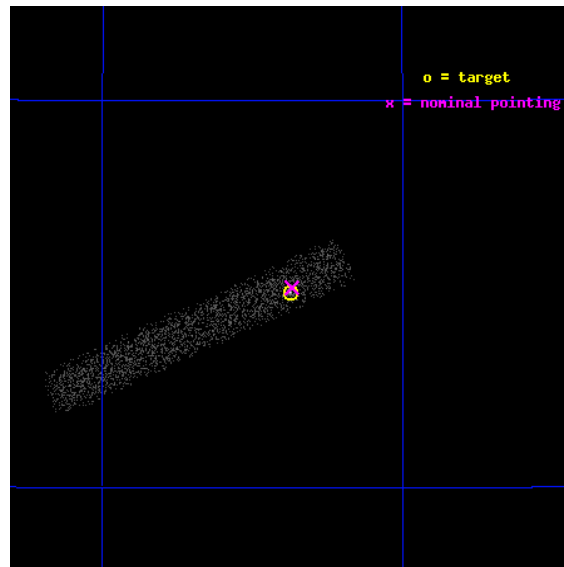
L2 Processing Date : Apr 18 2012

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# 1 Front

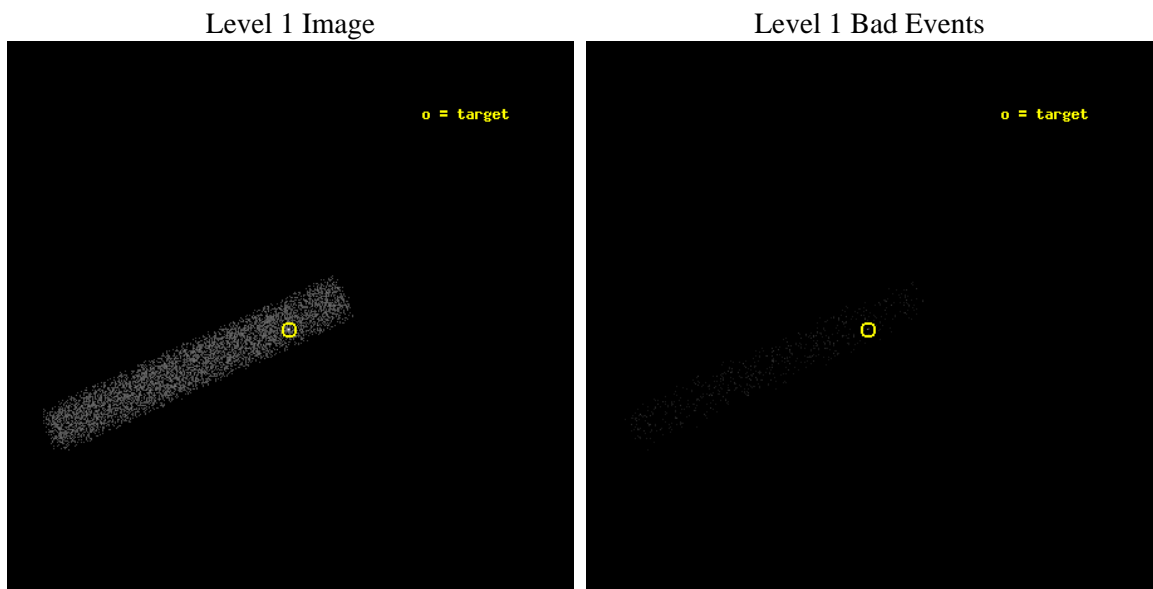
seq_num	701534	Sequence number
obs_id	7870	Observation id
title	Chandra Imaging of the Highest Redshift Relativistic Jets	Proposal
observer	Dr. C.C. Teddy Cheung	Principal investigator
object	0833+585	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.343333	Observer's specified target RA [deg]
dec_targ	58.417167	Observer's specified target Dec [deg]
ra_nom	129.3422551694	Nominal RA [deg]
dec_nom	58.419160356284	Nominal Dec [deg]
roll_nom	155.39703273206	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4158.7997521162	Sum of GTIs [s]
livetime	3771.8118557194	Livetime [s]
ontime7	4158.7997521162	Sum of GTIs [s]
l2events	3708	Number of level 2 events



## 2 OBI

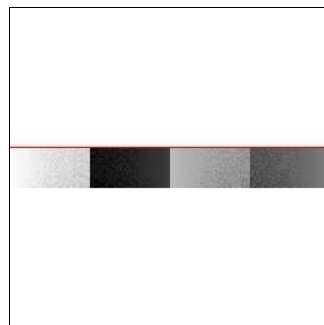
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4158.7997521162	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	4158.7997521162	Sum of GTIs [s]
date	2012-04-18T12:00:31	Date and time of file creation	l1events	9330	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	9330
rejected events	5506
rejected %	59%

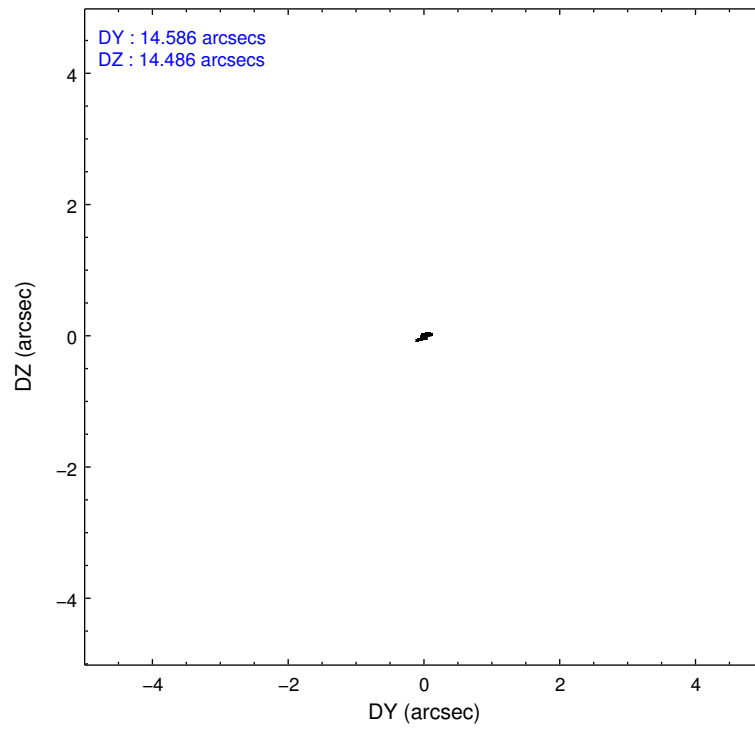
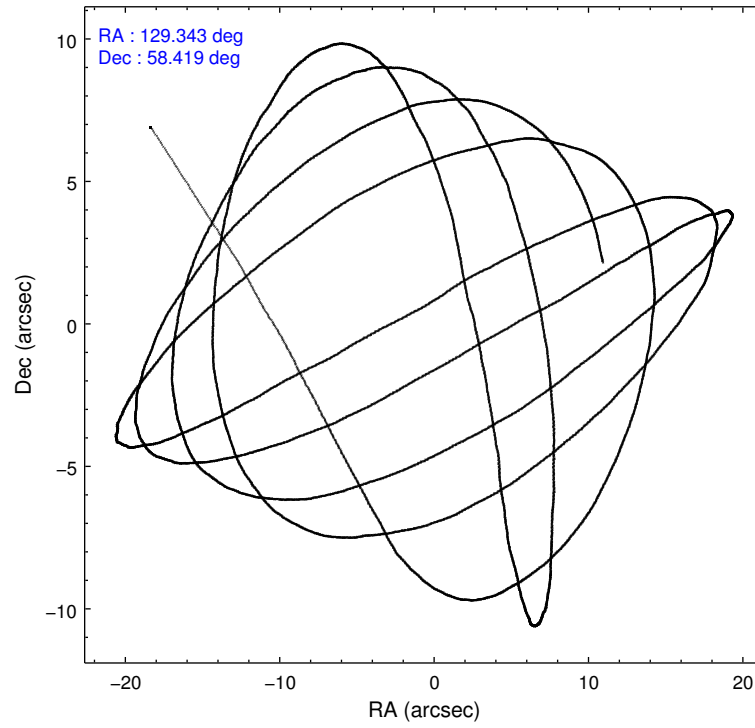
	<b>ccd 7</b>
grade 0 events	603
	6%
grade 1 events	11
	0%
grade 2 events	916
	9%
grade 3 events	598
	6%
grade 4 events	572
	6%
grade 5 events	786
	8%
grade 6 events	2024
	21%
grade 7 events	3820
	40%

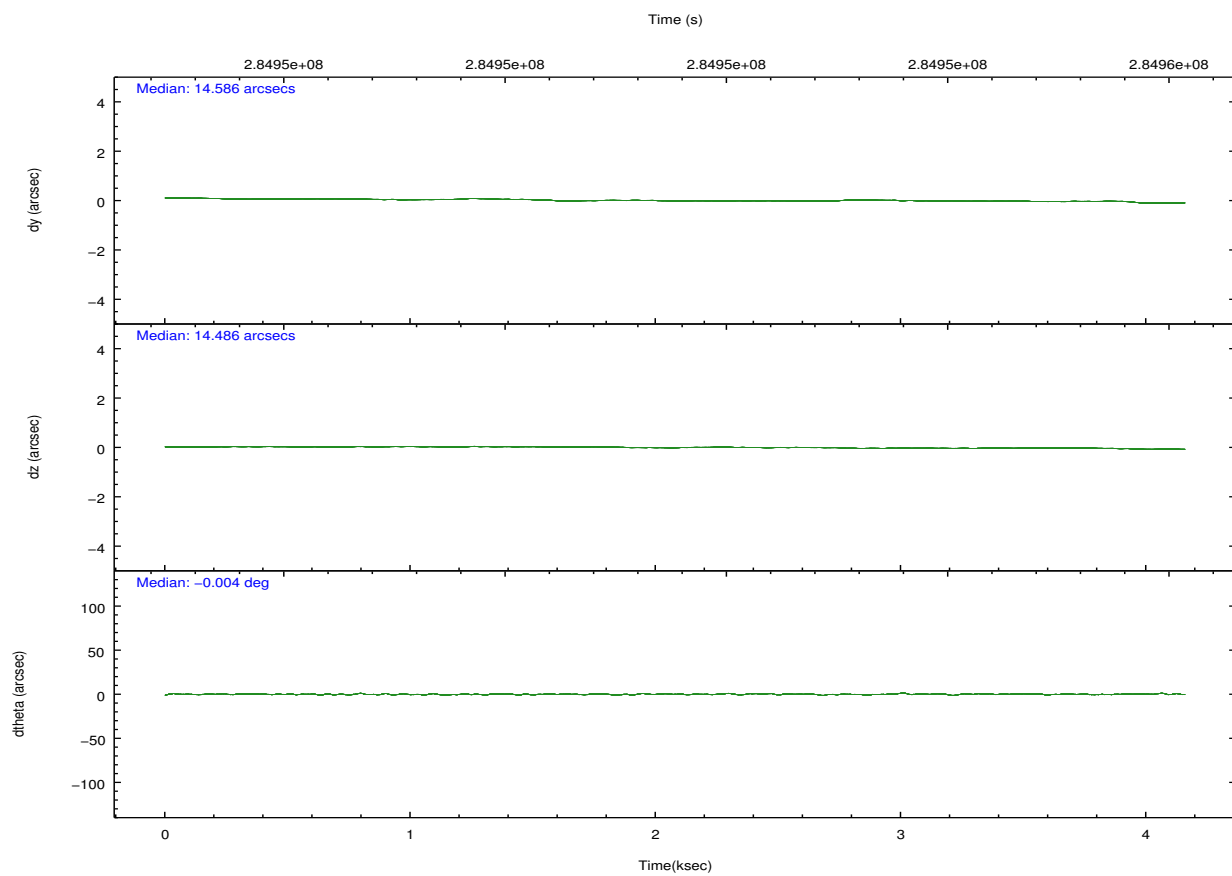
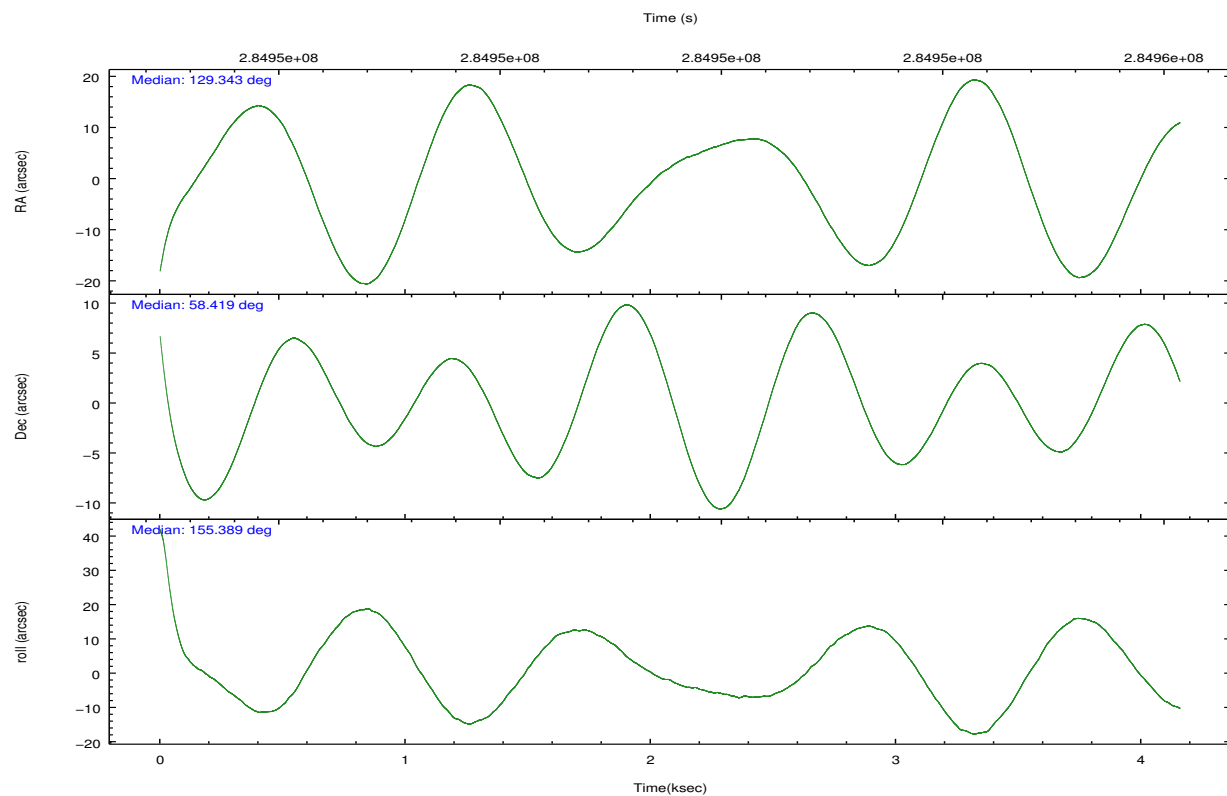


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	129.394198	129.3422551694026	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	58.422116	58.41916035628408	Subarray start row	449	449
[deg] Pointing Roll	155.196069	155.3970327320634	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	284950849.184000	284949594.85022			
Observation start date	2007-01-12T00:59:44	2007-01-12T00:39:54			
[s] Observation end time (MET)	284954849.184000	284955229.78799			
Observation end date	2007-01-12T02:06:24	2007-01-12T02:13:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect



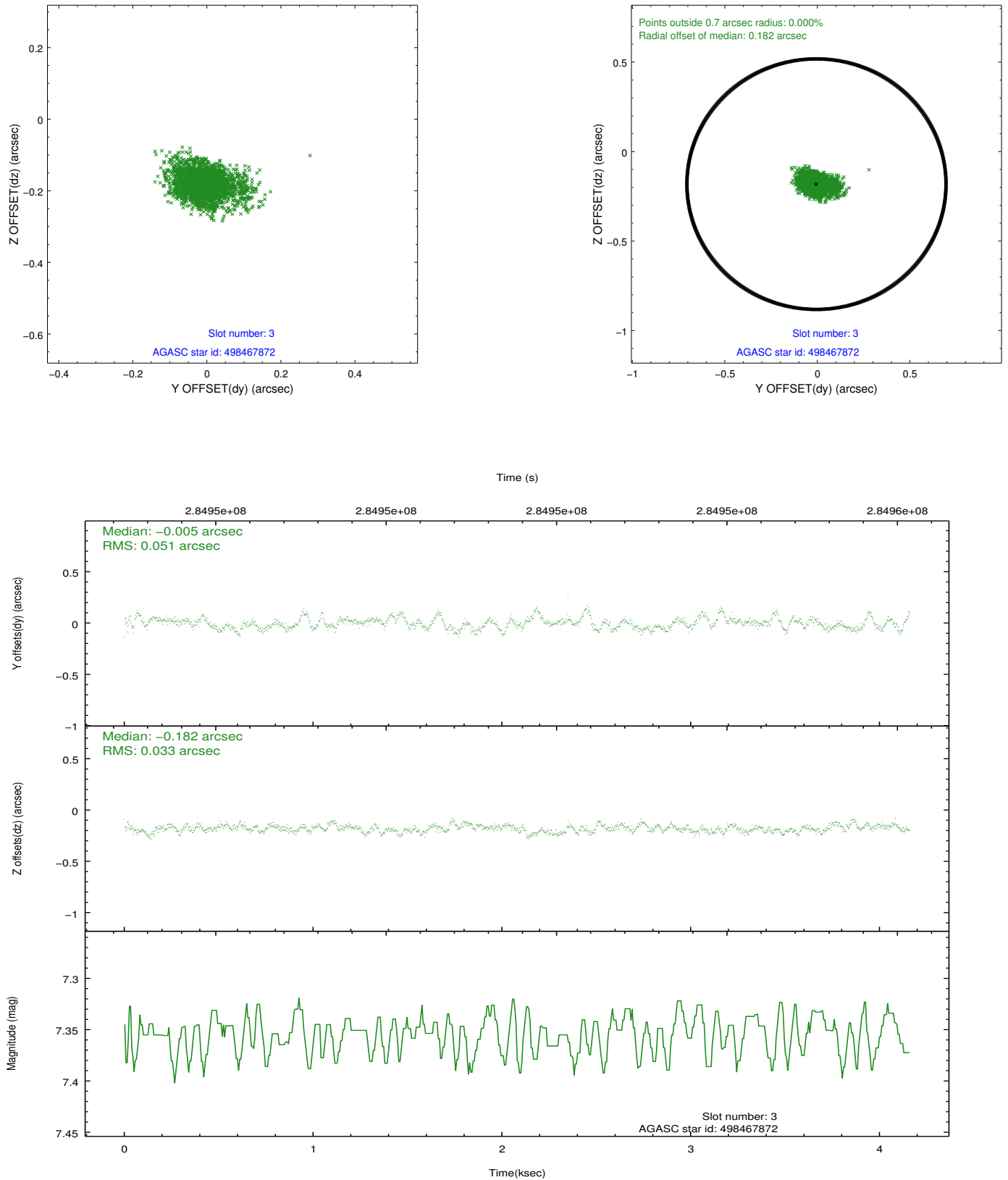


Slot Statistics

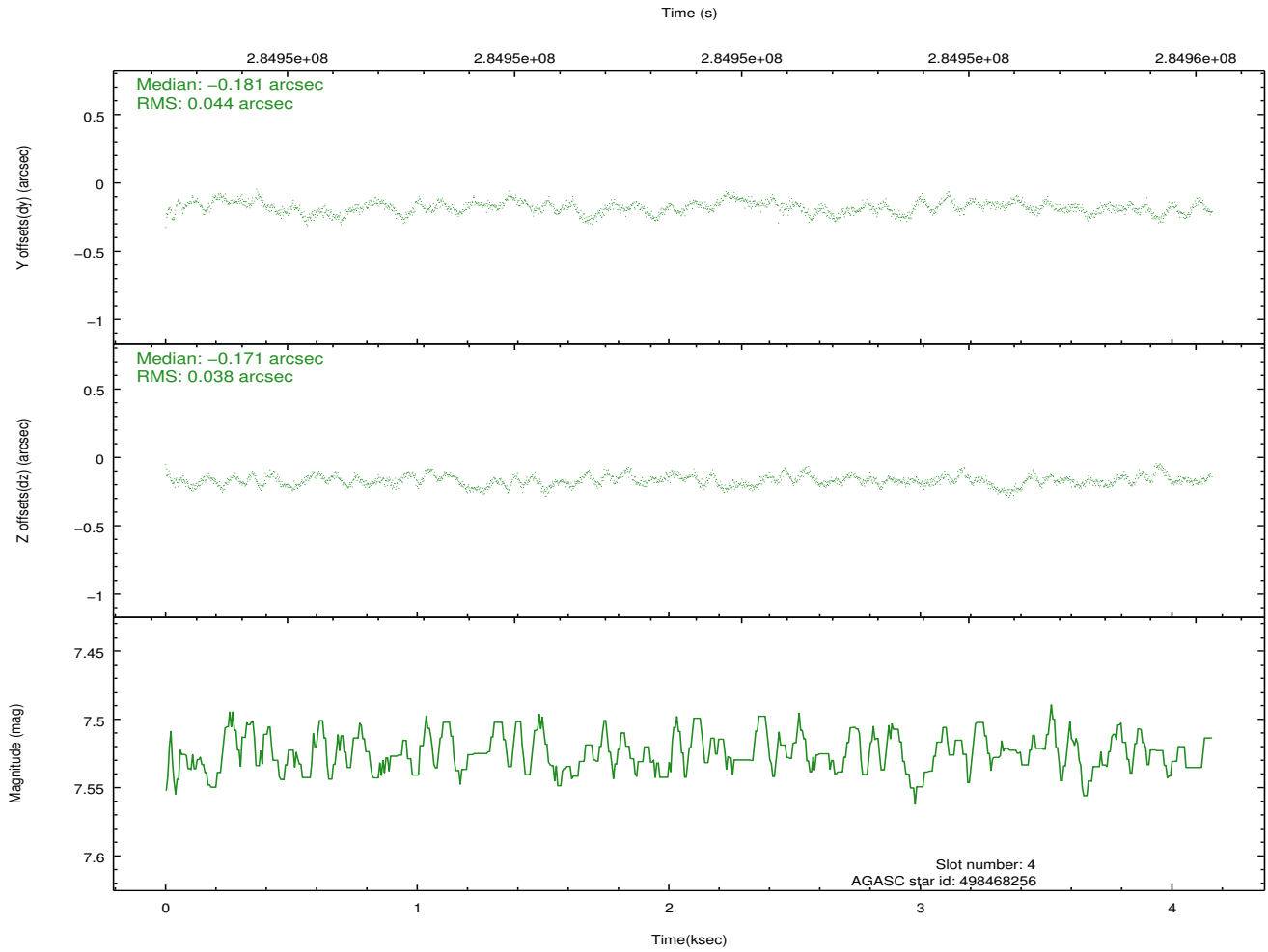
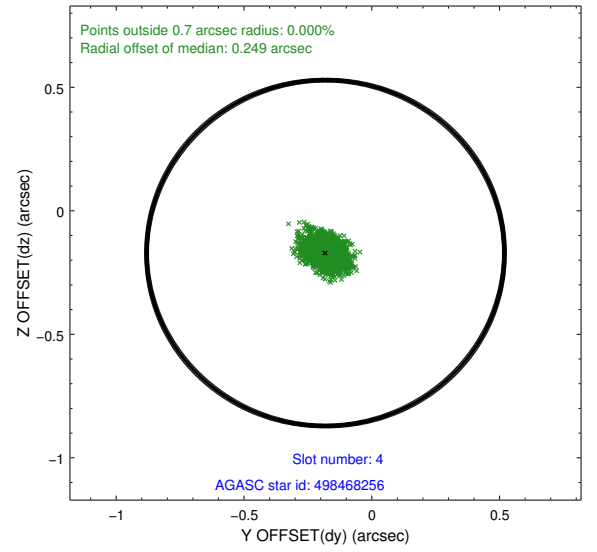
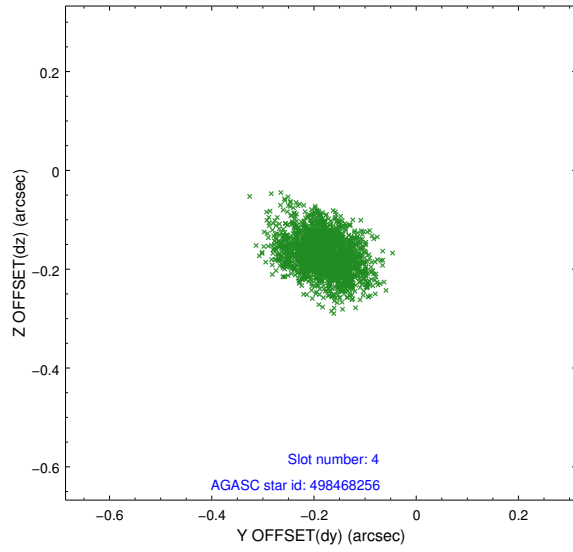
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1015	-0.098	-0.061	0.007	0.011	0.000000	0.000000	-767.65	-1735.91
1	FID	ACIS-S-4	7.20	1015	0.242	0.063	0.005	0.009	0.000000	0.000000	2145.28	171.15
2	FID	ACIS-S-5	7.22	1015	-0.175	0.006	0.007	0.012	0.000000	0.000000	-1818.66	166.46
3	GUIDE	498467872	7.35	2030	-0.005	-0.182	0.063	0.111	128.479478	58.607240	1841.73	104.17
4	GUIDE	498468256	7.53	2030	-0.181	-0.171	0.063	0.101	128.364945	58.484594	1859.58	594.88
5	GUIDE	498480248	9.46	2025	0.086	0.175	0.113	0.182	128.607908	58.803652	1912.06	-638.99
6	GUIDE	498601920	9.65	2024	0.076	0.206	0.107	0.177	129.099984	58.590938	757.97	-321.05
7	GUIDE	498601992	8.57	2029	0.021	-0.027	0.075	0.122	129.242249	58.167063	-122.58	954.26

## 2.4 Star Slots

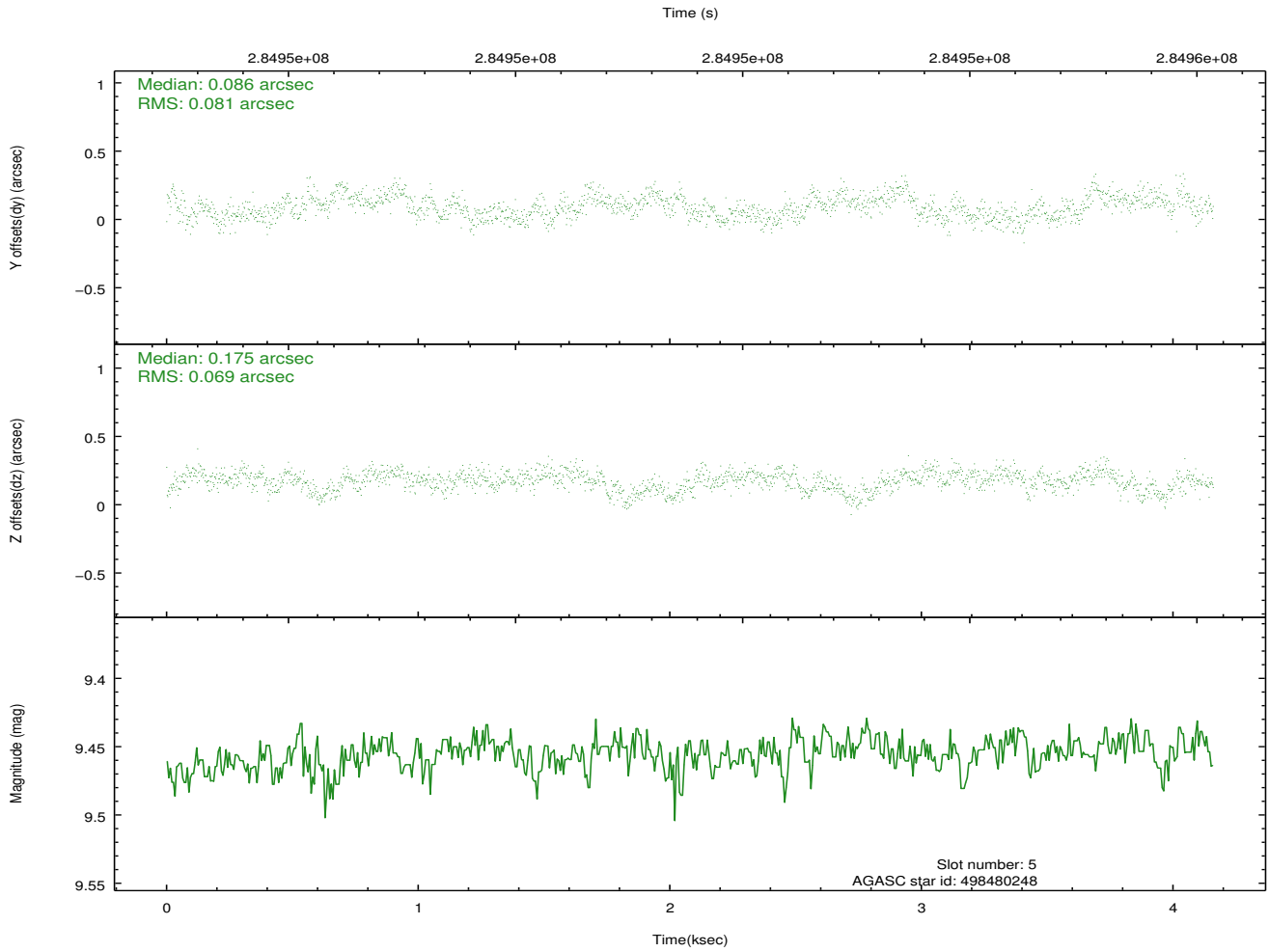
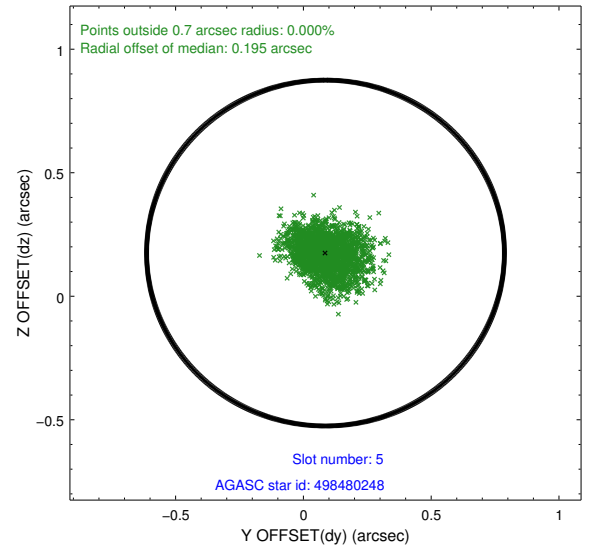
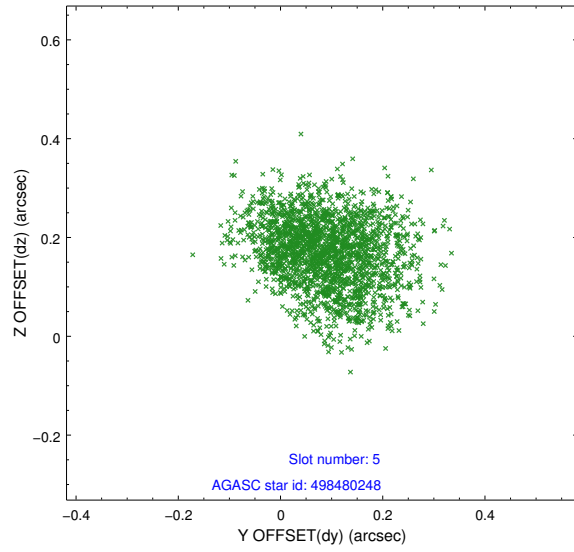
### 2.4.1 Slot 3



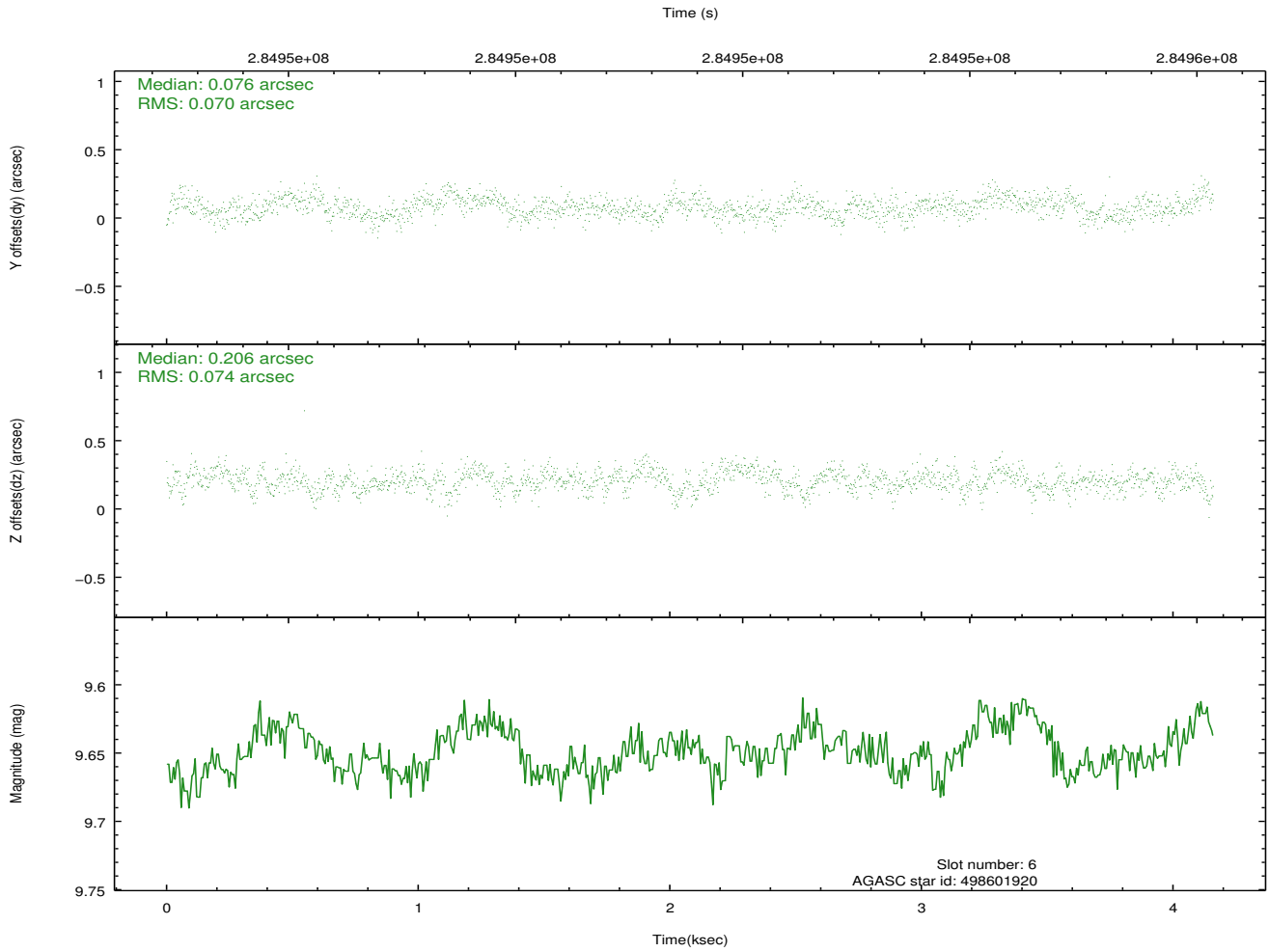
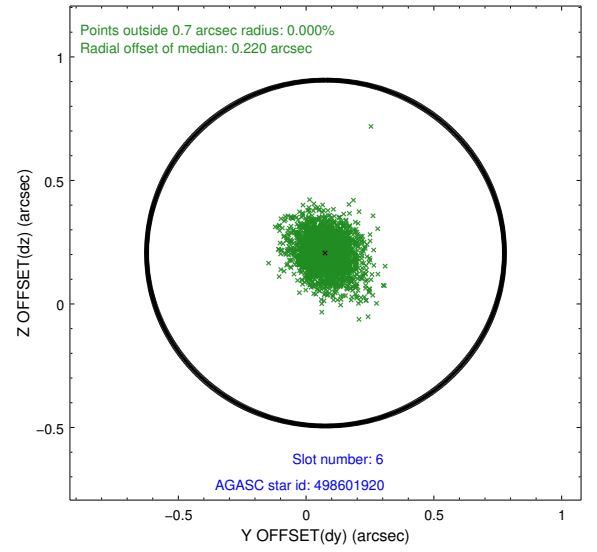
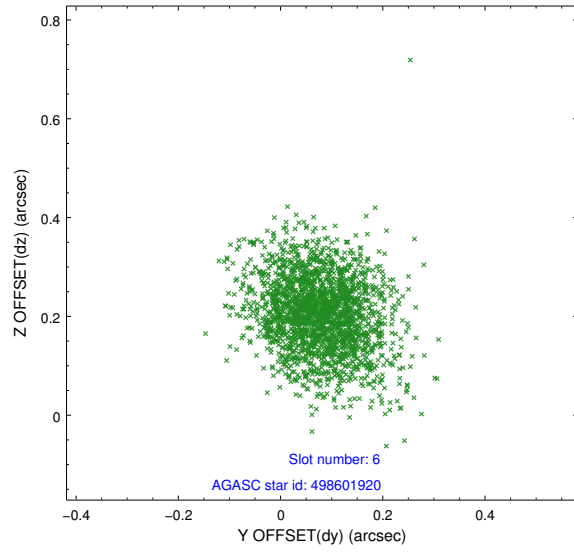
## 2.4.2 Slot 4



### 2.4.3 Slot 5

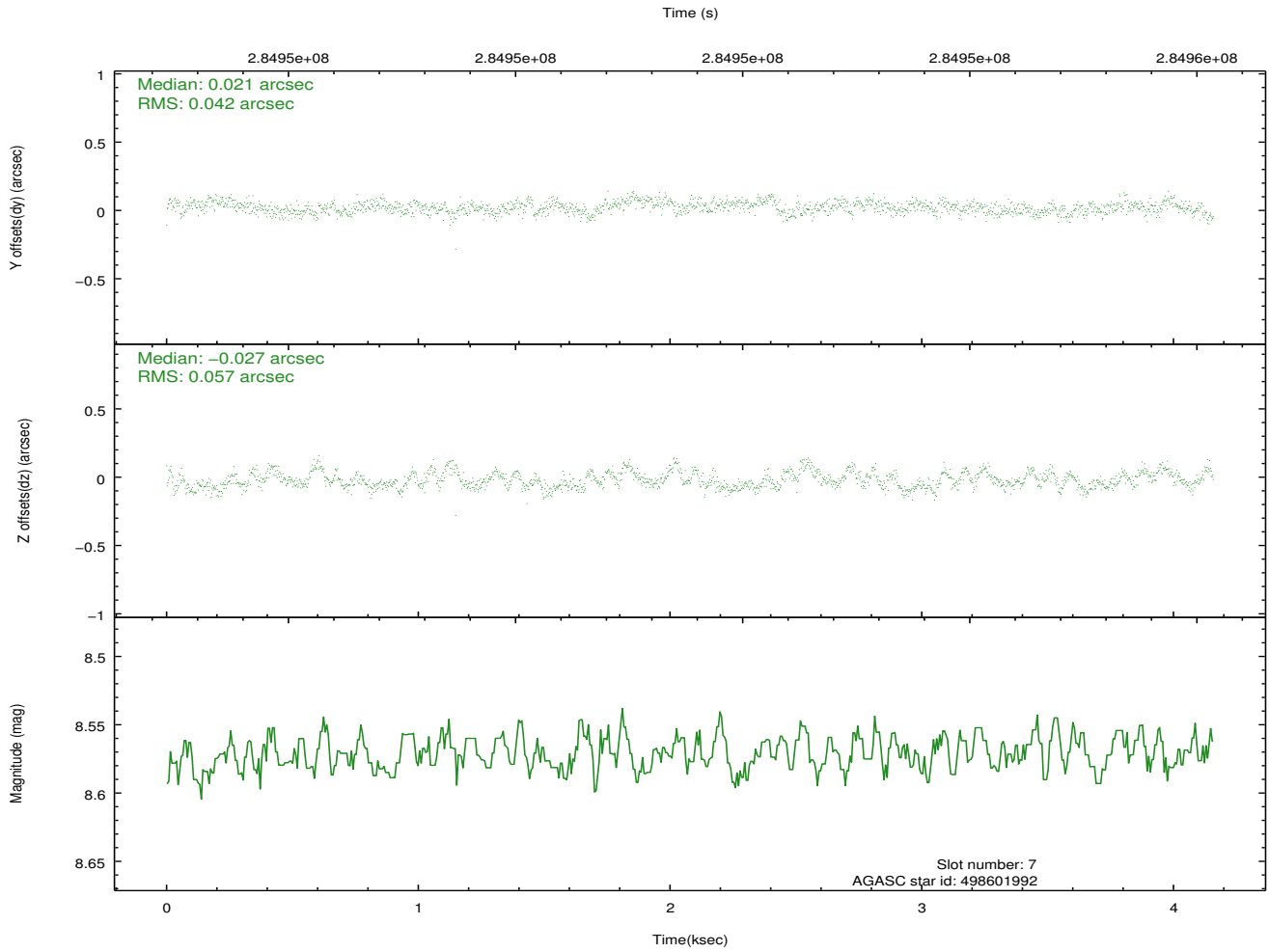
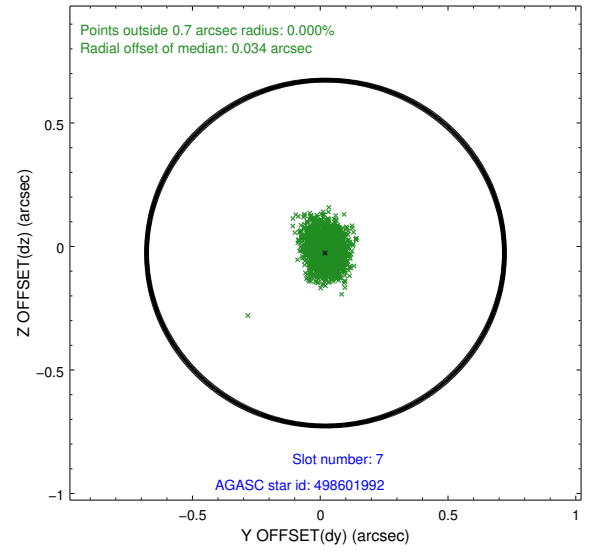
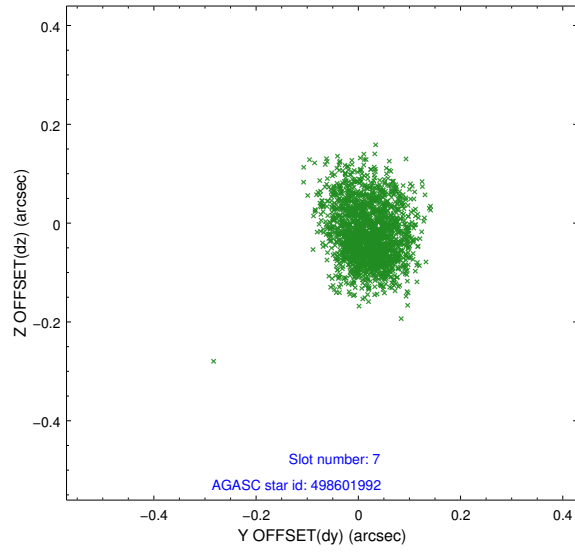


## 2.4.4 Slot 6



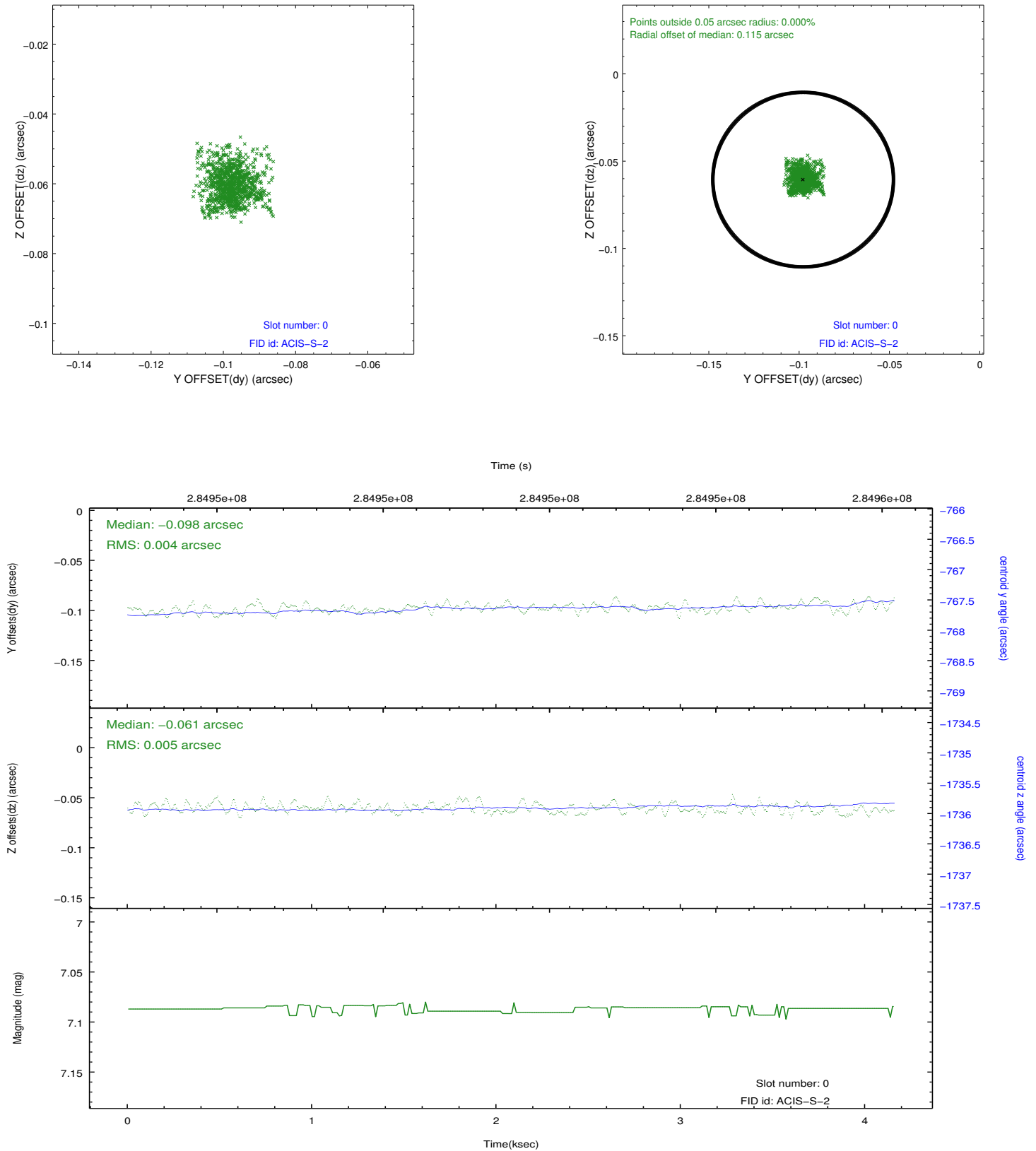


## 2.4.5 Slot 7

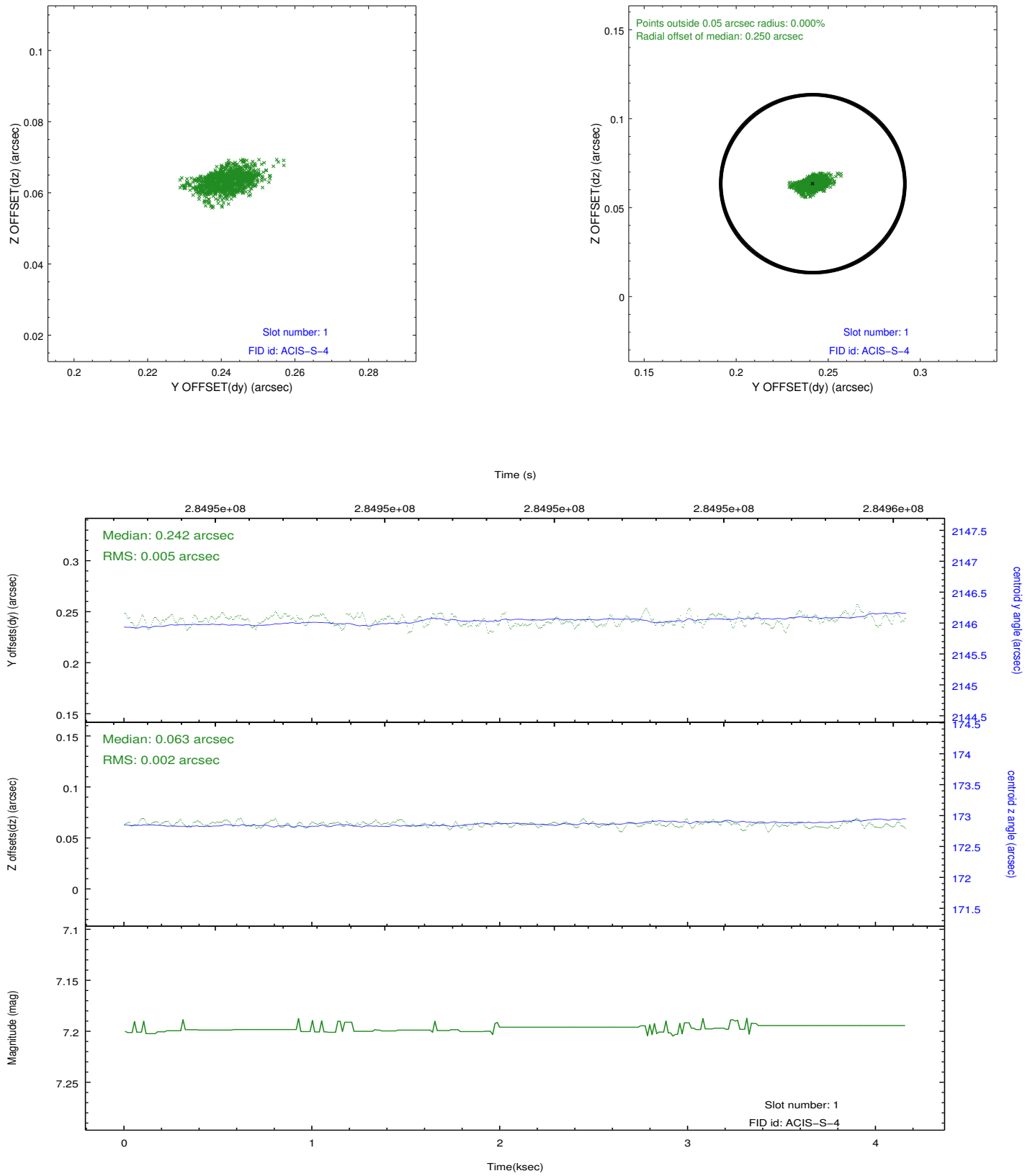


## 2.5 FID Slots

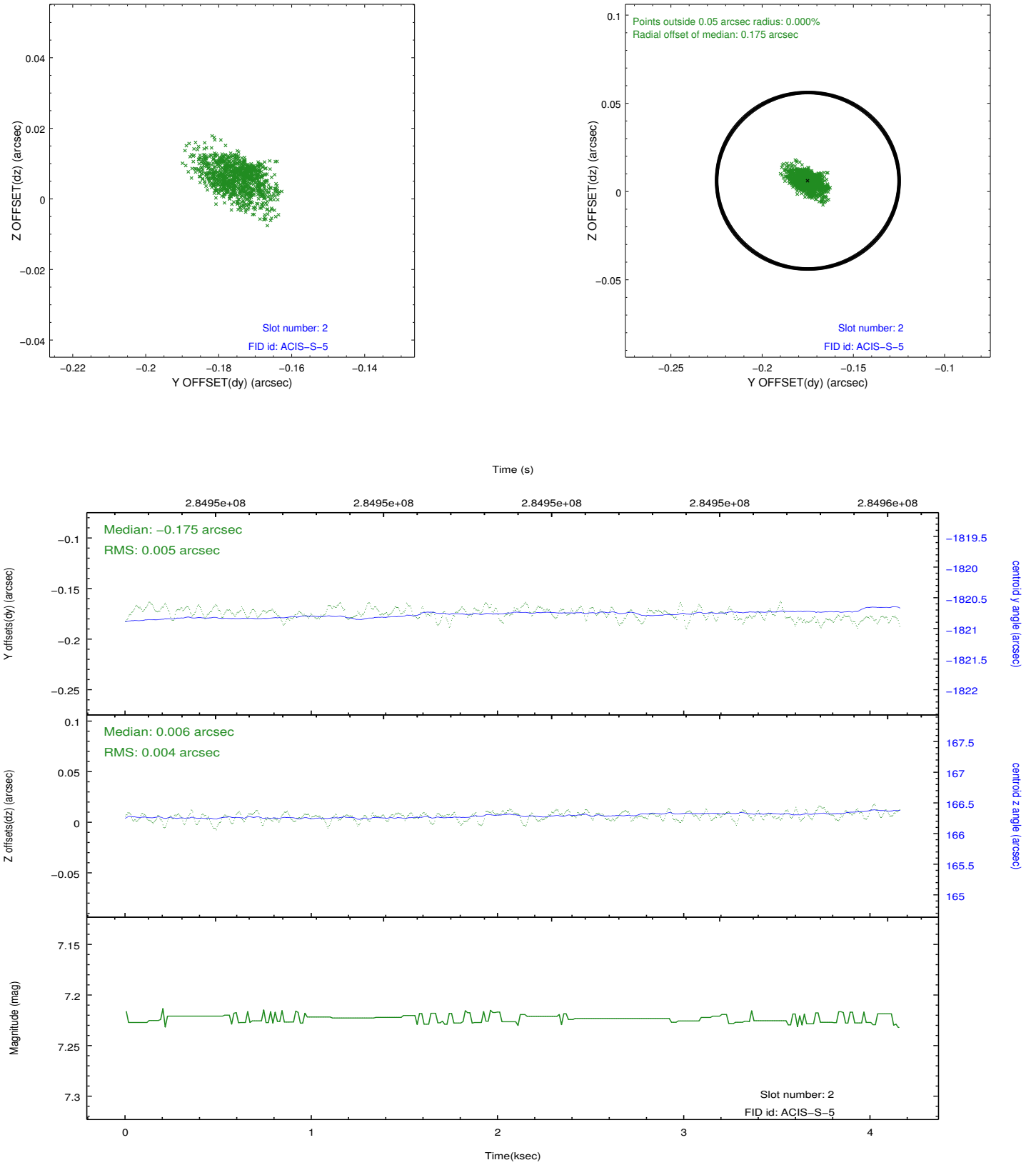
### 2.5.1 Slot 0



## 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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.15879975

### A.2 Comments

Joint proposal with NRAO.