

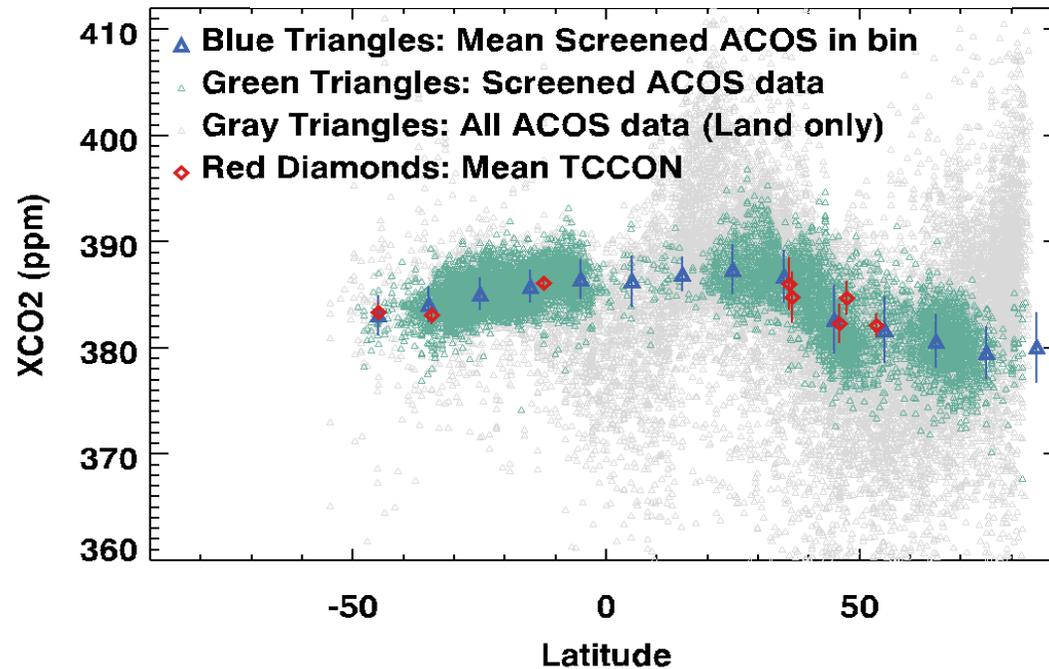
# OCO-2 Science Data Processing Status

D. Crisp (JPL/Caltech) for the SDOS Team

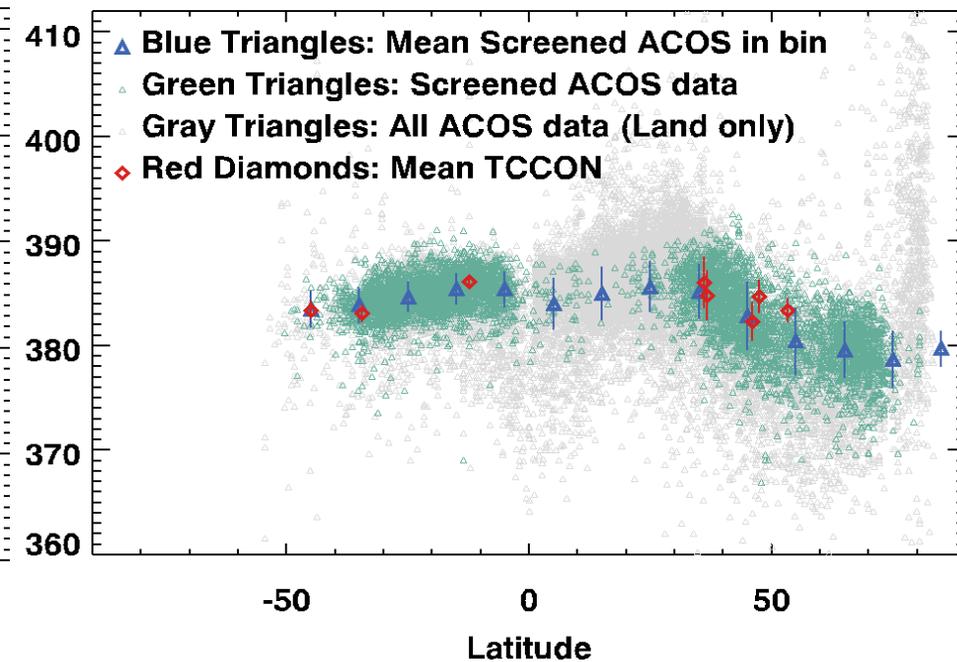
4 December 2012



July 2009 B2.9



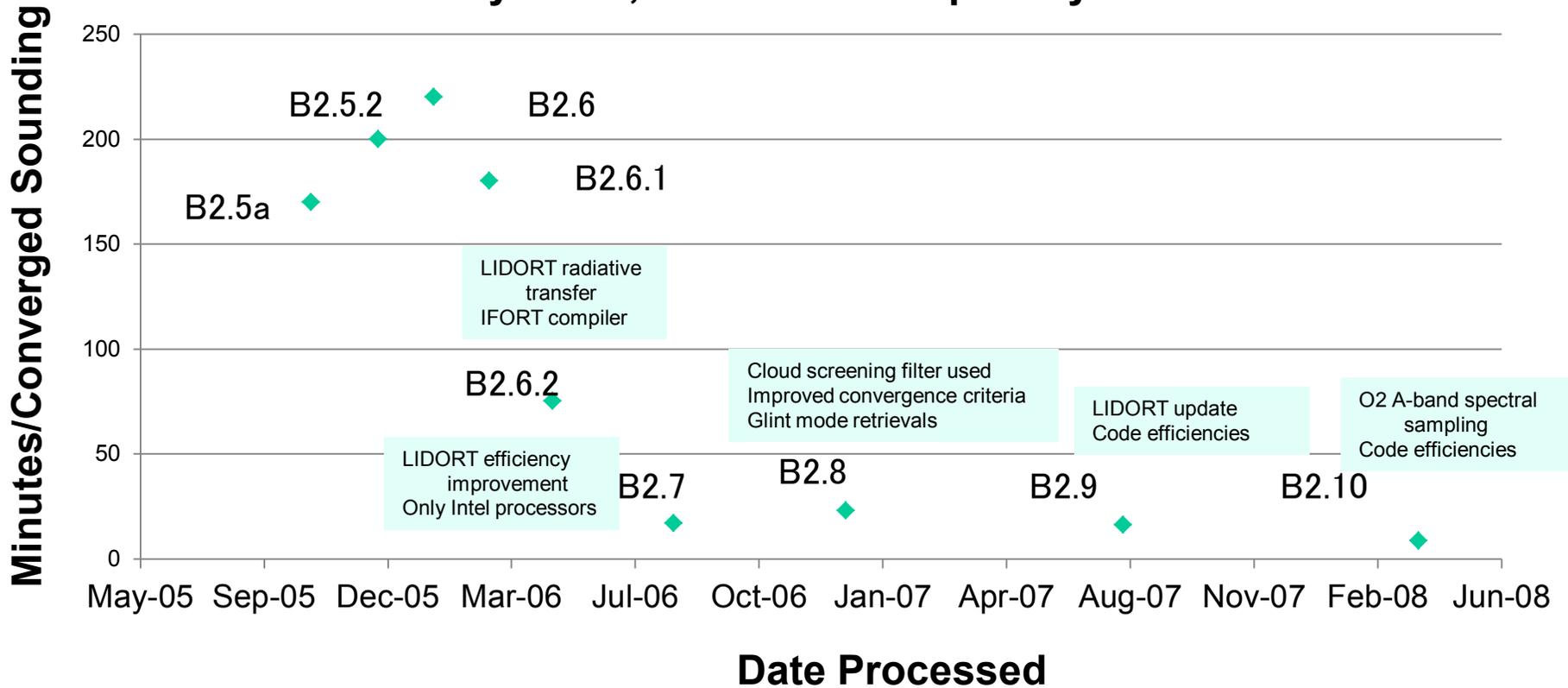
July 2009 B2.10



Results shown for land only



**Processing Time per Sounding  
July 24-26, 2009 GOSAT repeat cycle**

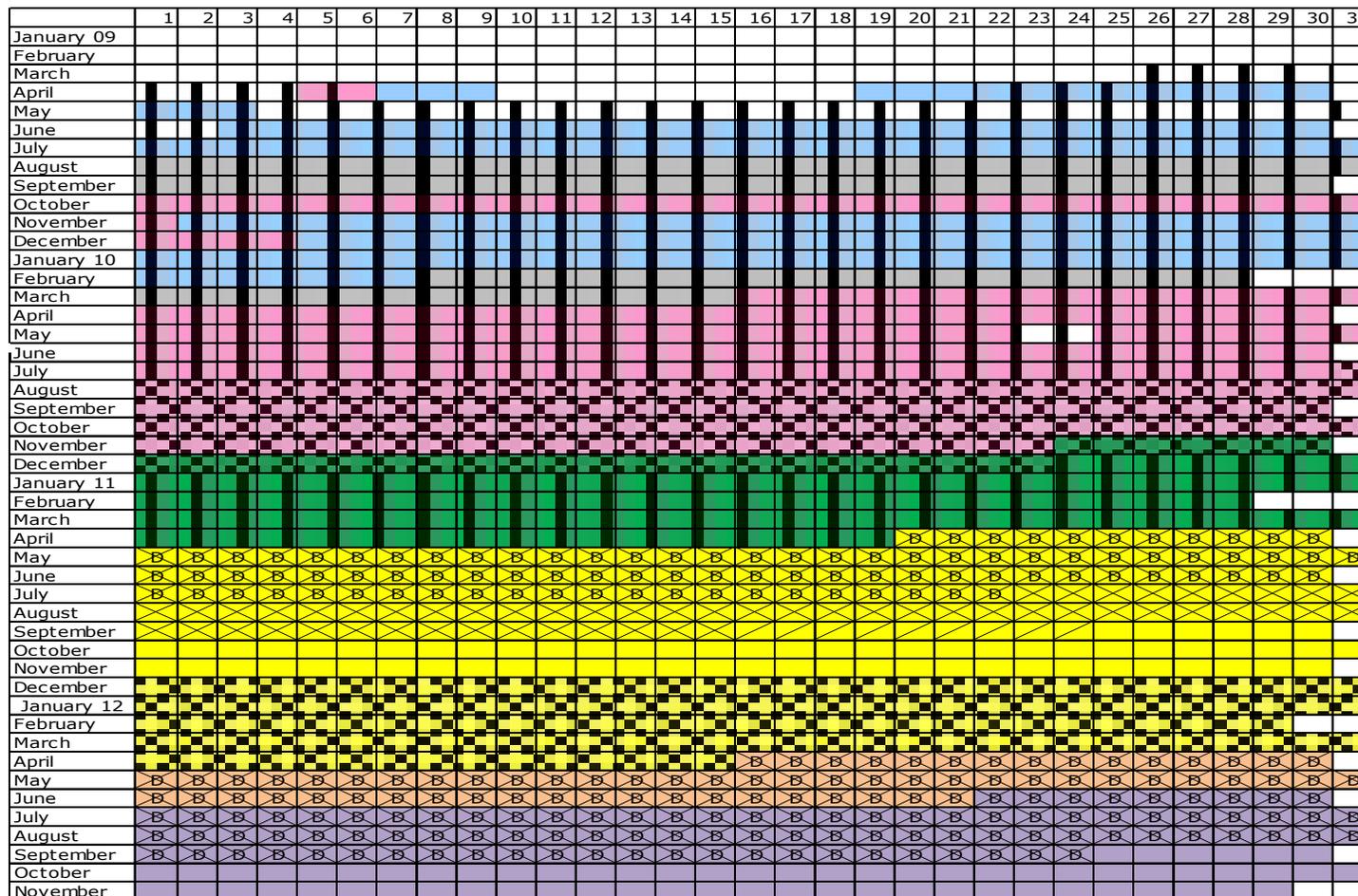




# Build 2.9 Production Status



as of 12/1/2012 Build 2.09.01 ACOS Production & Delivery Status





# ACOS SDOS GOSAT Reprocessing Status



as of	11/26/12 JAXA V150150 GOSAT Reprocessing Status																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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August	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
September	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
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June	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
July	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
August	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
September	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
October																															
November																															



Month	File Downloads	Major Users
January	100K	Canada, China, Japan, Germany, Netherlands, Russia, UK, US
February	131K	China, Germany, Russia, UK, US, Vietnam
March	74K	China, Germany, Russia, US, Vietnam
April	53K	China, Japan, Germany, US
May	21K *	Canada, UK, US (Stanford, Wolfram)
June	30K *	China, US
July	69K *	US, Canada, China, Germany, Japan
August	47K *	Japan, US, Korea
September	.1K *	none
October	66K	US, China, Korea

\* Deliveries to the data center were suspended between April and September



- ABSCO 4.1.1 (4-D tables, rescaled WCO2/SCO2)
- Optimal non-uniform spectral sampling in all 3 bands
- Updated Solar Model
- Dedicated 2-stream algorithm implemented (speed)
- Reduced Aerosol Optical Depth (AOD) for a priori
- Chlorophyll Fluorescence retrieval enabled over land
- Empirical Noise replaced with global EOF residual fitting

### Status:

- Development completed, large scale tests ongoing
- Production reprocessing starting in mid January 2013