

**AT15-13 TowCam#2- Seafloor Geology & Biology/ Preli**  
**26 Nov 2006 (GMT)**

<b>TIME (GMT)</b>	<b>Brief Shipboard Observations</b>
2:37:16	First clear seafloor image
2:38:31	Heavily sedimented lava ?sheet flow
2:40:01	Ropey lava surface at edge of ?sheet flow
2:42:01	Start of hackly lava
2:50:31	Transition of hackly to lobate lava
3:22:31	Large fish with reflective eyes
3:33:31	Collapse window into underlying hackly lava
3:58:47	First contact of newer lobate lava over older lava
4:02:16	Only new lobate lava in view
4:09:46	Contact between lobate and hackly lava
4:12:32	Edge of sheet flow
4:15:47	Sheet flow
4:18:32	Contact of sheet flow with hackly lava
4:19:02	Lobate lava with collapse pits
4:22:46	Big collapse pit
4:23:01	Collapse area
4:24:46	Crab numbers increasing
4:25:47	Lava pillars with lots of crabs; particulates in water
4:26:17	Microbial mats, crabs and open mussel shells on raised lava area; cloudy
4:27:02	Collapse area at edge of raised lava area, lots of crabs; cloudy water
4:27:32	Other edge of collapse area
4:27:47	Microbial mat; cloudy water
4:28:17	Microbial mat: cloudy water
4:28:32	Diffuse flow site; cloudy. GOOD IMAGE
4:29:02	Edge of ropey lava; crabs
4:30:32	Sheet flow, direction NE-SW
4:35:47	Sheet flow direction now N-S
4:38:47	Sheet flow direction now NW-SE
4:40:02	Hackly lava
4:43:17	Back to sheet flow
4:48:17	Hackly lava
4:52:17	Back to sheet flow
4:54:47	Swirl in sheet flow. GOOD IMAGE
4:56:17	Hackly lava
4:58:32	Sheet flow
5:01:17	Hackly lava
5:05:05	Sheet flow
5:06:02	Hackly lava
5:06:47	Transition of hackly to lobate lava
5:12:47	Contact between newer and older lobate lava. GOOD IMAGE
5:17:02	Contact between newer and older lobate lava again
5:20:32	Start of hackly lava
5:29:47	Transition to sheet flows
5:33:32	Sheet flow with two small swirls. GOOD IMAGE

5:35:02 Hackly lava  
5:36:17 Sheet flows  
5:49:17 Edge of sheet flows  
5:49:47 Lobate lava  
5:52:47 Contact between newer and older lobate lava. GOOD IMAGE  
5:54:47 Small collapse pits in older lobate lava  
5:55:32 Edge of big sedimented collapse pit; starfish  
5:56:02 Other edge of collapse pit; ?brisingid starfish  
6:01:17 Towcam off bottom  
6:08:47 Bottom visible again; older lobate lavas  
6:09:17 Small collapse pits in older lobate lava  
6:30:02 Contact between newer and older lobate lava  
6:32:32 Last 'window' of older lava  
6:38:47 Small sheet flow  
6:41:02 Small 'windows' of older lava  
6:41:32 Start of hackly lava  
6:52:32 Sheet flow  
6:54:17 Hackly lava  
6:59:47 Sheet flows  
7:03:32 Swirl in sheet flow. GOOD IMAGE  
7:05:02 End of sheet flows  
7:05:17 Hackly lava  
7:10:32 Sheet flows  
7:13:32 Swirl in sheet flow. GOOD IMAGE  
7:20:02 Transition from sheet flows to hackly lava  
7:27:02 Back to sheet flow  
7:29:17 Bright orange staining in sheet flow cracks  
7:32:17 Bright orange staining in sheet flow cracks  
7:32:47 Transition from sheet flows to hackly lava  
7:35:32 Back to sheet flow  
7:37:17 Lobate lava  
7:38:02 Transition of lobate to hackly lava  
7:49:02 Small sheet flow  
7:49:32 Back to hackly lava  
8:09:32 Transition to sheet flows  
8:14:32 Back to hackly lava  
8:33:32 Transition to sheet flows  
8:37:17 Back to hackly lava  
8:40:47 Transition to sheet flows  
8:45:17 Transition to lobate lava  
8:47:32 Sheet flows  
8:55:17 Collapse area  
8:56:17 Lobate lava  
9:00:02 Contact between newer and older lobate lava  
9:00:32 All older lobate lava  
9:20:02 Contact between newer and older lobate lava again  
9:28:17 Windows of older lava through newer lava  
9:44:47 Contact between newer and older lobate lava  
9:45:17 Newer lava 'snakes'. GOOD IMAGE

9:45:32 Last piece of newer lava  
9:45:47 Hackly older lava  
9:48:17 Transition of hackly to lobate lava  
9:56:47 Last image

water



