

# SOST: Out of discipline PIEs

Discipline, rev	Obs. Name, time (2012)	Prime Instr.	Trace ability code	Science goals	Secondary pointing flexibility	Pointing designer
SATURN_171	PLUME_171_JTE_P3 247T00:00 - 02:00	ISS (M,U,V)	IC1a	Understand morphology of jets and their connection to surface	Rotation about y okay	J. Riley
RINGS_172	Mimas_Plume 267T16:47 -18:47	ISS (U,V)	IN1b	Understand composition of Mimas; search for activity	Flexible	J. Riley
RINGS_172	plume_172 268T00:50 - 04:00	ISS (C,U,V)	IC1a	Understand 3-D structure of jets, their variability, and connection to surface	Flexible	J. Riley
RINGS_173	plume_173_ten_p0 291T09:00 – 11:00	ISS (U,V)	IC1a	Understand connection of plumes to E-ring; map tendrils	Rotation about y okay	J. Riley
RINGS_173	Encel_lophase 293T07:40 - 08:45	UVIS (I,V)	IC1a	Understand composition and phase curve	-Z to pole, but not strong	A. Jouchoux

**ISS plume observation from E17  
(March 27, 2012) showing detailed plume  
structure and connection to surface.  
~232,000 km**

