



SCIENCE

Clipper Risk Assessment and Continuation Review

Dr. Lori Glaze, Director, Planetary Science Division

Dr. Curt Niebur, Program Scientist, Europa Clipper

NASA Science Mission Directorate



Risk Assessment Team Results

	Current	Intermediate	Full	Board
MISE	Tech	Tech	Tech	Tech
	Schedule	Schedule	Schedule	Schedule
	Cost	Cost	Cost	Cost
		Some descopes	Some descopes; add reserves/FSR	Full
EIS	Tech	Tech	Tech	Tech
	Schedule	Schedule	Schedule	Schedule
	Cost	Cost	Cost	Cost
		Descope WAC, others	Keep WAC; some descopes; add reserves/FSR	WAC reqs to goals; WAC cost cap
MASPEX	Tech	Tech	Tech	Tech
	Schedule	Schedule	Schedule	Schedule
	Cost	Cost	Cost	Cost
		Descopes may not offset liens/risks	Some descopes; add reserves/FSR	Class D; reqs to goals; cost cap

MISE: Mapping Imaging Spectrometer for Europa
EIS: Europa Imaging System
MASPEX: MAss SPectrometer for Planetary EXploration

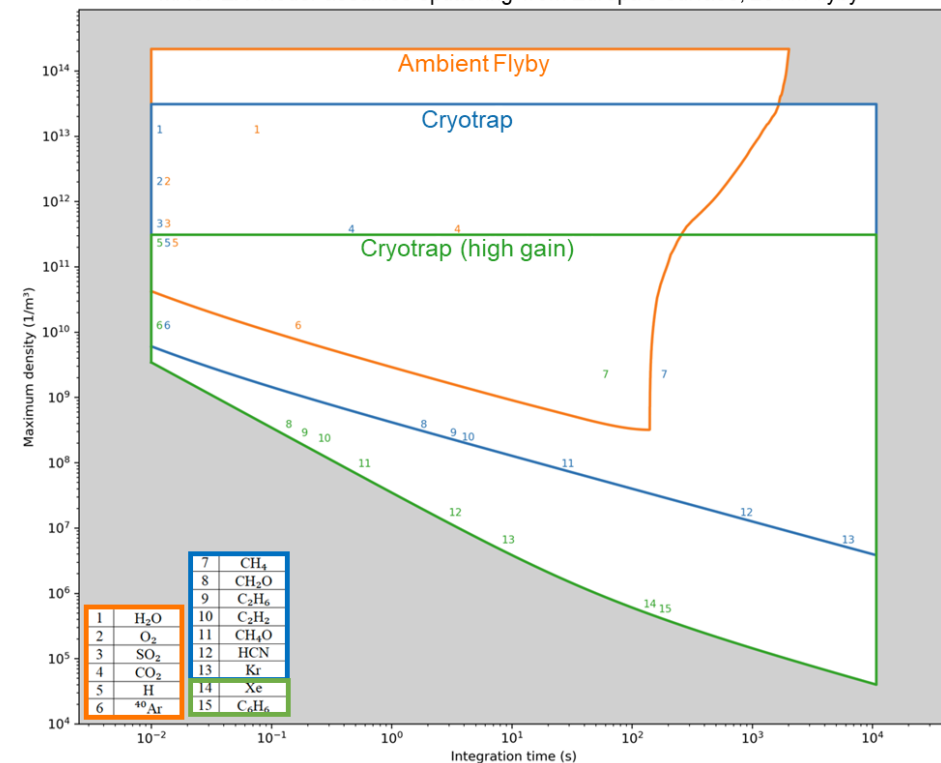
FSR: Funded Schedule Reserve
WAC: Wide-angle Camera



MASPEX Performance Regimes



MASPEX model assumes sputtering from Europa's surface; 25 km flyby



MASPEX model assumes an Enceladus-like plume at Europa; 25 km flyby

