

Pairwise Combinations of Assets Transported, Deployed and Recovered from the Research Vessel *Paragon*

Updated: September 19, 2017

Combinations of three or more assets require approval from the R/V *Paragon* Project Manager and/or the Director of Marine Operations

	CTD Winch/Boom	LRAUV	LARS only	CPF	Waveglider (10')	AUV Towing (Boom)	AUV Towing (Tow Bit)	KBB Transducer Pole	Gen 1 Tranducer Pole	Downrigger
CTD Winch/Boom										
LRAUV										
LARS only										
CPF										
Waveglider (10')										
AUV Towing (Boom)										
AUV Towing (Tow Bit)										
KBB Transducer Pole										
Gen 1 Tranducer Pole										
Downrigger										
Weight	Carousel: 380 lbs	LRAUV: 220 - 330 lbs	LARS: <100 lbs	CPF: 150 lbs	Waveglider: 480 lbs	Towing Load	Towing Load	KBB T-pole: 380 lbs	Gen 1 T-pole: 150 lbs	Downrigger: 30 lbs
Weight	Winch: 780 lbs									
Weight	CTD boom: 150 lbs									
CG transport	Low	Medium	Low	Low	Medium	High	Medium	Medium	Medium	Medium
CG deploy/ recovery	Low	Medium	N/A	High	High	N/A	N/A	Low	Low	Low