Candidate EOV	Specifics	Themes
Temperature	Water column, sea surface	T1,2,3
Salinity	Water column, sea surface	T1,2,3
Oxygen	Dissolved O2	T1,2,3,4
Velocity		T1,2,3
Turbulence		T1,2,3
Tracers	Non-transient, transient	T1,2,3,4
Bottom Topography	Below ice shelves, seafloor bathymetry general and under floating ice, bedrock under grounded ice	T1,2,3
Sea surface height		T1,2,3
Seabed pressure		T1,2,3
Wind, direction/magnitude		T3
Nutrients	Macro	T1,2,3,4
ice shelf topography		T3
ice shelf thickness		T3
ice shelf flow speed		T3
Glacier topography		T3
Glacier flow speed		T3
Ice Shelf basal melt/freeze rates		T3
Ice Shelf englacial temperatures	Ocean-ice heat transfer flux	T3
Sea-ice cover/concentration		T5
Sea-ice thickness		T5
Sea-ice drift		T5
Snow depth on sea ice		T5
Sea-ice types		T5
Carbonate system		T4
Suspended particulates		T4
Particulate matter export		T4
Nitrous oxide		T4
Carbon isotope 13C		T4
Dissolved organic matter		T4
Hyperspectral reflectance		T1,2
Multispectral backscatter		T1,2
Photosynthetically active radiation		T1,2
Fluorescence		T1,2
Multispectral irradiance		T1,2
Krill abundance		T6
Fisheries Catch		T6
Penguin abundance		T6
Penguin diet		T6
Pengiun reproductive rate		T6
Microbial genomics		T6

Microbial size spectra		T6
Chl a		T6
Krill habitat		T6
Fishery Distribution	Space, depth	T6
Penguin foraging range	Space, depth	T6
Elephant seal diet		T6
Elephant seal reproductive rate		T6
Elephant seal foraging range	Space, depth	T6