

Communications protocol		
Space segment: CCSDS Standards		
Transport Layer	Space communication protocol specification transmission protocol: SCSP-TP	
Network layer	Main protocol Routing protocol Complementary protocols	Internet Protocol version 6 (IPv6) Open Shortest Path First (OSPF) IP over CCSDS
Data Link Layer	Data Link Protocol Sublayer Synchronization and Channel Coding Sublayer	TC Space Data Link Protocol TC Sync and Channel Coding
Ground segment		
Presentation of the data to the client		Application
Protocol		Secure Shell (SSSH)

Table 1: Communications protocol overview

Ground segment		
Ground station location	Ground Station 1	Canada
	Ground Station 2	United Kingdom
	Ground Station 3	Falkland Islands
Mission Control Centre		Spain
Initial investment	3 Ground Stations	1,070,000€
	Mission Control Centre	100,000€
Total initial investment		2,350,000€
Annual costs	3 Ground Stations	760,000€
	Mission Control Centre	460,000€
Total annual cost		1,220,000€

Table 2: Ground segment overview