

Category	Sub-Category	Flashline Mars Arctic Research Station
Website		www.fmars.marssociety.org
Country		Canada
Opening year		2001
Operational period		Arctic summer; proposed year-round
Permitting issues categories	Permits required for access to the station	-
	Permits required for studies	-
	Contact (permit issues)	susanm@marssociety.org
Facility owner and manager	Name of the facility owner	The Mars Society, Inc.
	Owner status	U.S. non-profit corporation
	Institution responsible for managing the station	The Mars Society, Inc.
	Contact (access to station)	susanm@marssociety.org
	Website (institution)	www.marssociety.org
Other institutions	Name	-
	Country	-
Location	Geographical coordinates	75°25' N, 89°49' W
	Altitude of station	60 m a.s.l. (approx.)
	Min. altitude within study area	-
	Max. altitude within study area	-
	Nearest town/ settlement	Resolute Bay; population 300
	Distance to nearest settlement	145 km
	Map	Please contact the station manager for additional resources
Climate	Climate zone	High Arctic
	Permafrost	Sporadic
	Years measured	-
	Mean annual temperature	-16 °C
	Mean temperature in February	-
	Mean temperature in July	2 to 8 °C
	Mean annual wind speed	-
	Max. wind speed	-
	Dominant wind direction	-
	Total annual precipitation	<200 mm (primarily snow)
	Precipitation type	-
	Ice break up	-
Station facilities	Area under roof	7.7 m (25 ft) tall cylinder that measures 8.3 m (27 ft) in diameter
	Scientific laboratories	8.3 m of diameter surface area
	Logistic	160 m ²
	Number of rooms (beds)	First floor: two airlocks, a shower and toilet, a room for the spacesuits, and a combined laboratory and work area. On the second floor are six crew rooms with bunks, a common area, and a kitchen equipped with a gas stove, refrigerator, microwave, oven, and a sink. There is also a loft area accessed by ladder from the second floor which provides storage space and can accommodate a bunk for a seventh crew member.
	Number of staff on station (peak / off season)	Varies
	Max. number of visitors at a time	7
	Showers	1
	Laundry facilities	Only in Resolute Bay
	Power supply (type)	Diesel generators
	Power supply	24 hours per day
Scientific equipment	Specific device	Varies
	Scientific services offered	Free technical support (remote operations); satellite up/downlink; satellite phones
Medical facilities	Medical facilities	Basic safety and first aid
	Medical suite	Only in Resolute Bay
	No. of staff with basic medical training or doctor	Varies
	Distance to hospital (estimated time)	90 air miles
	Compulsory safety equipment	Satellite radio; GPS
Recommended safety equipment	First aid kit, satellite phone, weapon	
Landing facilities	Airstrip (Length × Width)	370 × 18 m
	Airstrip surface	Regolith
	Helipad	Only in Resolute Bay
	Ship landing facilities	Only in Resolute Bay
Vehicles at station	Sea transportation	Only in Resolute Bay
	Land transportation	ATVs; Snowmobiles
Transport and freight	Transport to station	Plane
	Number of ship visits per year (period)	Only in Resolute Bay
	Number of flight visits per year (period)	By reservation only

