Station Information							
ID*	Type*	Location	Latitude*	Longitude*	Coordinate System Units	Coordinate Reference System	Coordinate Collection Method
9	Ocean	Hudson Bay	63.7288	-79.9282	decimal degrees	Unknown	GPS - Unspecified
11	Ocean	Hudson Bay	62.865	-78.8966	decimal degrees	Unknown	GPS - Unspecified
16	Ocean	Hudson Bay	62.2796	-85.906	decimal degrees	Unknown	GPS - Unspecified
18	Ocean	Hudson Bay	63.7138	-88.417	decimal degrees	Unknown	GPS - Unspecified
21	Ocean	Hudson Bay	60.9113	-89.3586	decimal degrees	Unknown	GPS - Unspecified
24	Ocean	Hudson Bay	61.6966	-87.7641	decimal degrees	Unknown	GPS - Unspecified
25	Ocean	Hudson Bay	62.0219	-87.0088	decimal degrees	Unknown	GPS - Unspecified
34	Ocean	Hudson Bay	56.5062	-86.8942	decimal degrees	Unknown	GPS - Unspecified
36	Ocean	Hudson Bay	57.774	-86.0311	decimal degrees	Unknown	GPS - Unspecified
38	Ocean	Hudson Bay	58.7224	-86.3045	decimal degrees	Unknown	GPS - Unspecified
40	Ocean	Hudson Bay	58.2327	-88.5633	decimal degrees	Unknown	GPS - Unspecified

SAMPLE VARIABLE DETAILS

Variable Name*	Variable Description	Variable Speciation	Variable Sample Fraction*	Variable Media Type	Activity Collection Type	Result Value Type
Year		None	None	Other	n/a	Actual
Month		None	None	Other	n/a	Actual
Day		None	None	Other	n/a	Actual
Station	ID	None	None	Other	n/a	Actual
Latitudes	Latitude in Decimal Degrees	None	None	Other	Satellite	Actual
Longitudes	Longitude in Decimal Degrees	None	None	Other	Satellite	Actual
Open_water_coverage	Estimated open water fraction captured in the drone survey	None	None	Ice Floe	Field Observation	Calculated
Melt_pond_coverage	Estimated melt pond fraction captured in the drone survey	None	None	Ice Floe	Field Observation	Calculated

Variable Name*	Variable Description	Variable Speciation	Variable Sample Fraction*	Variable Media Type	Activity Collection Type	Result Value Type
Mean_white_ice_albedo	Calculated mean surface PAR albedo of white ice area of the sampled floe	None	None	Ice Floe	Field Observation	Calculated
Mean_melt_pond_albedo	Calculated mean surface PAR albedo of melt pond area of the sampled floe	None	None	Ice Floe	Field Observation	Calculated
Regional_albed o	Calculated regional surface PAR albedo	None	None	Ice Floe	Field Measurement	Calculated
SD_Regional_albedo	Standard deviation of calculated regional PAR albedo	None	None	Ice Floe	Field Measurement	Calculated

Mean_snowcovered_ice_transmittance	Calculated mean PAR transmittance of snowcovered sea ice of the sampled floe	None	None	Ice Floe	Field Measurement	Calculated
Mean_whiteice_transmittance	Calculated mean PAR transmittance of white sea ice of the sampled floe	None	None	Ice Floe	Field Measurement	Calculated
Mean_ponded_ice_transmittanc e	Calculated mean PAR transmittance of melt pond-covered sea ice of the sampled floe	None	None	Ice Floe	Field Observation	Calculated
Regional_transmittance	Calculated regional PAR transmittance	None	None	Ice Floe	Field Observation	Calculated
SD_Regional_transmittance	Standard deviation of calculated regional PAR transmittance	None	None	Ice Floe	Field Observation	Calculated
QF		Followed labels in table 2 of this document	None			

DATA FILE DETAILS

Column Name*	Unit	Description	Statistic Applied
Open_water_coverage	none	Estimated open water fraction captured in the drone survey	
Melt_pond_coverage	none	Estimated melt pond fraction captured in the drone survey	
Mean_white_ice_albedo	none	Calculated mean surface PAR albedo of white ice area of the sampled floe	Mean
Mean_melt_pond_albedo	none	Calculated mean surface PAR albedo of melt pond area of the sampled floe	Mean
Regional_albedo	none	Calculated regional surface PAR albedo	
SD_Regional_albedo	none	Standard deviation of calculated regional PAR albedo	Standard deviation
Mean_snowcovered_ice_transmittance	none	Calculated mean PAR transmittance of snow-covered sea ice of the sampled floe	Mean
Mean_whiteice_transmittance	none	Calculated mean PAR transmittance of white sea ice of the sampled floe	Mean

Mean_ponded_ice_transmittance	none	Calculated mean PAR transmittance of melt pond-covered sea ice of the sampled floe	Mean
Regional_transmittance	none	Calculated regional PAR transmittance	
SD_Regional_transmittance	none	Standard deviation of calculated regional PAR transmittance	Standard deviation

Table 2. Options for Statistics Applied

Statistics Applied	Description
30DADMean	Thirty-day average daily mean
7DADM	Seven-day average daily maximum
7DADMean	Seven-day average daily mean
7DADMin	Seven-day average daily minimum
Coefficient of variation	The ratio of the standard deviation σ to the mean, μ.
Daily Geometric Mean	Provides a number that is more representative of the median and helps reduce the effect of a few extreme values.
Daily Maximum	The largest value of a set, each period of a day cycle
Daily Minimum	The smallest value of a set, each period of a day cycle
Hourly Maximum	The largest value of a set, each period of an hour cycle
Hourly Minimum	The smallest value of a set, each period of an hour cycle
MatLab script	Provide the MatLab script or the link to it
Mean	The sum of all the numbers in the set divided by the amount of numbers in the set
Median	The middle point of a number set, in which half the numbers are above the median and half are below.
None	None
R script	Provide the R script or the link to it
Standard Deviation	This describes the spread of values in the sample
Standard Error	The standard deviation of the sample mean, $\bar{x}$, which describes its accuracy as an estimate of the population mean, μ.