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Supplement of

Accuracy and inter-analyst agreement of visually estimated sea ice concentrations in Canadian Ice Service ice charts using single-polarization RADARSAT-2

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Table 1. Count of analyst estimates for each category compared to MAGIC calculated concentration for all polygons.

		MAGIC Calculated Ice Concentrations											Total	
		0/10	1/10	2/20	3/10	4/10	5/10	6/10	7/10	8/10	9/10	9+/10		10/10
Visually Estimated Ice Concentration	10/10	0	0	0	0	5	0	0	0	2	2	0	0	9
	9+/10	0	0	0	0	3	0	4	5	6	20	0	0	38
	9/10	0	0	0	0	0	5	4	17	45	13	0	0	84
	8/10	0	0	0	1	3	11	13	28	43	5	0	0	104
	7/10	0	0	0	4	8	16	15	32	20	0	0	0	95
	6/10	0	0	4	11	8	27	24	11	4	0	0	0	89
	5/10	0	0	5	5	16	25	16	3	0	0	0	0	70
	4/10	0	0	10	17	20	12	3	0	0	0	0	0	62
	3/10	0	0	15	18	9	0	1	0	0	0	0	0	43
	2/10	0	0	14	0	0	0	0	0	0	0	0	0	14
	1/10	0	0	0	0	0	0	0	0	0	0	0	0	0
	0/10	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	48	56	72	96	80	96	120	40	0	0	608

Table 2. Count of analyst estimates for each category compared to MAGIC calculated concentration for only validated polygons.

		MAGIC Calculated Ice Concentrations											Total	
		0/10	1/10	2/20	3/10	4/10	5/10	6/10	7/10	8/10	9/10	9+/10		10/10
Visually Estimated Ice Concentration	10/10	0	0	0	0	1	0	0	0	0	1	0	0	2
	9+/10	0	0	0	0	0	0	1	2	3	17	0	0	23
	9/10	0	0	0	0	0	3	3	9	38	12	0	0	65
	8/10	0	0	0	0	0	4	7	22	40	5	0	0	78
	7/10	0	0	0	1	3	7	14	28	19	0	0	0	72
	6/10	0	0	0	5	2	12	22	9	2	0	0	0	52
	5/10	0	0	5	3	9	20	14	3	0	0	0	0	54
	4/10	0	0	4	11	15	12	2	0	0	0	0	0	44
	3/10	0	0	10	15	3	0	1	0	0	0	0	0	29
	2/10	0	0	8	0	0	0	0	0	0	0	0	0	8
	1/10	0	0	0	0	0	0	0	0	0	0	0	0	0
	0/10	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	27	35	33	58	64	73	102	35	0	0	427

Table 3. Count of analyst estimates for each category compared to the modal response of all analysts.

		Mode of Visually Estimated Ice Concentrations											Total	
		0/10	1/10	2/20	3/10	4/10	5/10	6/10	7/10	8/10	9/10	9+/10		10/10
Visually Estimated Ice Concentration	10/10	0	0	0	0	0	0	0	0	0	0	0	0	0
	9+/10	0	0	0	0	0	0	0	0	0	4	5	0	9
	9/10	0	0	0	0	0	0	2	2	15	16	3	0	38
	8/10	0	0	0	0	0	1	7	19	54	3	0	0	84
	7/10	0	0	0	1	5	8	23	51	16	0	0	0	104
	6/10	0	0	2	2	9	19	44	11	8	0	0	0	95
	5/10	0	0	4	12	17	37	10	5	3	1	0	0	89
	4/10	0	1	5	8	39	15	2	0	0	0	0	0	70
	3/10	0	2	15	31	9	5	0	0	0	0	0	0	62
	2/10	0	7	22	10	1	3	0	0	0	0	0	0	43
	1/10	0	14	0	0	0	0	0	0	0	0	0	0	14
	0/10	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	24	48	64	80	88	88	88	96	24	8	0	608