

THE ROYAL ASTRONOMICAL SOCIETY OF CANADA  
LA SOCIÉTÉ ROYALE D'ASTRONOMIE DU CANADA



136 DUPONT STREET TORONTO, ONTARIO M5R 1V2

10 July 1991

Dear Expedition Member,

We take pleasure in welcoming you to The Royal Astronomical Society of Canada 1991 Solar Eclipse Expedition. This endeavour is a project of the National Council of the Society, and the Expedition has been more than two years in preparation and planning.

Astronomers around the world have been waiting eagerly for this solar eclipse for many years, some for many decades. The "big one" that we will witness tomorrow features the longest duration of totality since the year 1973 and the longest until the year 2132. We are all very lucky and privileged to have the opportunity to observe such a wonderful and spectacular event.

In this package of material you will find detailed information and statistics for our three observing sites, an aircraft seating/hotel accomodation/bus allocation list, sky maps representing the sky over Mexico during the total phase of the eclipse, a special Eclipse Quiz (for which prizes will be awarded later today), name tags, and adhesive decals that have been created especially for our Expedition. You will also find a Personal Observation Log, which will help you to plan and record your observations.

We encourage those of you who are new to our organization to consider joining the RASC, which is the largest national astronomical organization in the world. The Society has 22 Centres across Canada, and many foreign members. The Society's Journal and annual observer's Handbook are internationally respected publications that are suitable for both professional and amateur astronomers. Inquiries may be made to the RASC National Office in Toronto.

Once again, we welcome you to the Expedition, look forward to meeting each of you, and wish you clear skies, Quo Ducit Urania!

Michael S. F. Watson  
Expedition Leader

J. Randy Attwood  
Solar Eclipse Committee

Steve Dodson  
Solar Eclipse Committee



## RASC 1991 SOLAR ECLIPSE EXPEDITION

## AIRCRAFT SEAT ASSIGNMENTS

	SEAT NO.	NAME	REG. NO		
<u>BUS 1</u>	1A	How, Leone (Mrs.)	97		
	1B	How, Stephen (Mr.)	96		
	1C	- Watson, Stella (Mrs.)	221		
	1D	Waterhouse, Anne (Ms)	83		
	1E	May, Robert (Mr.)	82		
	2A	How, Helen (Ms)	2		
	2B	Watson, Michael (Mr.)	1	EXPEDITION LEADER	
	2C	Attwood, Randy (Mr.)	59	SOLAR ECLIPSE COMMITTEE	
	2D	Robinson, Betty (Ms)	60		
	2E	- Robinson, Frances (Ms)	63		
	3A	Dodson, Hélène (Mrs.)	53		
	3B	Dodson, Steve (Mr.)	52	SOLAR ECLIPSE COMMITTEE	
	3C	- Attwood, Gary (Mr.)	29		
	3D	Hlynialuk, John (Mr.)	84		
	3E	Hicks, John (Mr.)	25		
	<u>BUS CAPTAIN</u>	4A	Spinney, Steven (Mr.)	66	
		4B	Dickinson, Terence (Mr.)	98	
		4C	Ashcroft, Greg (Mr.)	29	
		4D	Cunningham, Douglas (Mr.)	22	
		4E	- Cunningham, Christy (Ms)	23	
		5A	Sabatini, Denise (Ms)	73	
		5B	Enright, Leo (Mr.)	72	
		5C	Bishop, Roy (Dr.)	30	
		5D	Williams, Sherman (Mr.)	32	
		5E	Harrington, Paul (Mr.)	31	
		6A	Pelayo, Mercedes (Ms)	46	
		6B	George, Douglas (Mr.)	45	
	6C	MacDonald, Walter (Mr.)	110		
	6D	Clapp, Douglas (Mr.)	140		
	6E	Hendriks, Randy (Mr.)	141		
	7A	Bogseth, RockLee (Mr.)	142		
	7B	Lemay, Damien (M.)	77		
	7C	- Grey, Mary (Mrs.)	94		
	7D	Tulley, Patricia (Mrs.)	19		
	7E	Tulley, Stephen (Mr.)	18		
<u>BUS 2</u>	8A	Malicki, Christopher (Mr.)	14		
	8B	Malicki, Gregory (Mr.)	17		
	8C	Malicki, Adrianna (Ms)	16		
	8D	Malicki, Elizabeth (Mrs.)	15		
	8E	- Russ, Norma (Ms)	71		
	9A	Rankin, Melville (Mr.)	38		
	9B	Rankin, Elizabeth (Mrs.)	39		
	9C	Shepley, Frank (Mr.)	114		
	9D	Pellarin, Steven (Mr.)	152		
	9E	Bennett, Joan (Mrs.)	21	WITH #219 SHIELDS	
	10A	Mussar, Gary (Mr.)	47		
	10B	Mussar, Roseanne (Mrs.)	48		
	10C	- Anthony, Gordon (Mr.)	26		
	10D	Baker, Derek (Mr.)	76		
	10E	Bennett, Karen (Ms)	75		
	11A	- Vollet, Robert (Mr.)	51		
	<u>BUS CAPTAIN</u>	11B	- Harrington, Mary Anne (Ms)	65	
		11C	- Taguchi, Roger (Mr.)	37	
		11D	Wright, Pauline (Ms)	81	
		11E	Butterworth, Evelyn (Ms)	80	
		12A	Lambert, Johnathon (Mr.)	69	
		12B	Lambert, Steven (Mr.)	67	
		12C	- Turner, Mark (Mr.)	44	
		12D	Ricks, Michael (Mr.)	134	
		12E	Hill, Roger (Mr.)	89	
		14A	Lambert, Thomas (Mr.)	70	
		14B	Lambert, Joy (Mrs.)	68	
	14C	Woodcock, Garry (Mr.)	79		
	14D	Sheeler, Stephen (Mr.)	188		
	14E	- Dampsey, Frank (Mr.)	20		
	15A	Armstrong, Dale (Mr.)	41		
	15B	Bodner, Robert (Mr.)	209		
	15C	- Greenwood, Edwin (Mr.)	7		
	15D	Greenwood, Fiona (Mrs.)	8		
	15E	Greenwood, Paul (Mr.)	9		
	16A	Sribney, Michael (Dr.)	35		
	16B	Cunningham, Robert (Dr.)	115		
<u>BUS 3</u>	16C	Thurlow, William (Dr.)	93		
	16D	Lane, David (Mr.)	111		
	16E	- Dodge, Randell (Mr.)	92		
	17A	Carr, E. C. (Mr.)	42		
	17B	Matthews, James (Mr.)	123		
	17C	- Cantrill, David (Mr.)	91		
	17D	Runge, Stan (Mr.)	128		
	17E	Jung, Lothar (Mr.)	49		
	18A	Broderick, William (Mr.)	56		
	18B	Breedyk, Arie (Mr.)	210		

<u>SEAT NO.</u>	<u>NAME</u>	<u>REG. NO.</u>
18C	- Motolko, Michael (Mr.)	102
18D	( Krueger, Loren (Mr.)	121
18E	( Koenig, Raymond (Mr.)	74
19A	( Richardson, Emily (Ms)	87
19B	( Cox, Eleanor (Ms)	86
19C	- Hasek, Peter (Mr.)	132
19D	( Hey, Norman (Dr.)	201
19E	( Bull, Charles (Mr.)	90
20A	( Richardson, James (Mr.)	88
20B	( Richardson, Michael (Mr.)	85
20C	- Moffat, Paul (Mr.)	133
20D	( Toth, David (Dr.)	212
<u>BUS CAPTAIN</u> 20E	( Clinton, Eric (Mr.)	105
21A	( Falk, Daniel (Mr.)	103
21B	( Falk, Michael (Dr.)	104
21C	( Paul, André (M.)	119
21D	( Paul, Denise (Ms)	118
21E	- Laroche, Yves (M.)	117
22A	( Semeniuk, Ivan (Mr.)	108
22B	( Semeniuk, Karla (Mrs.)	109
22C	- Patton, Russell (Mr.)	124
22D	( Dempsey, Daniel (Professor)	130
22E	( Gudehus, Donald (Mr.)	158
23A	( Stark, Paul (Mr.)	131
23B	( Park, George (Mr.)	180
23C	- Griffin, Dennis (Mr.)	160
23D	( Ulrichsen, Robert (Dr.)	153
23E	( Ulrichsen, Brenda (Mrs.)	154
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<u>BUS 4</u> 24A	( Becker, Barbara (Mrs.)	135
24B	( Tripet, Jacqueline (Ms)	194
24C	( Schmidt, Philip (Mr.)	193
24D	( Montrose, Cameron (Mr.)	192
24E	- Ritz, Ernst (Mr.)	136
25A	( Johnston, James (Dr.)	156
25B	( Johnaton, David (Mr.)	159
25C	- Nicholls, Robert (Mr.)	139
25D	( Campbell, Rick (Mr.)	191
25E	( Payne, Douglas (Mr.)	157
26A	( Saxon, Gregory (Mr.)	162
26B	( Falvo, Vincent (Mr.)	163
26C	- Gibson, Brian J. (Mr.)	142
26D	( Hughes, Roy (Mr.)	216
26E	( Bronson, Ted (Mr.)	161
27A	( Merrick, Gregory (Mr.)	164
27B	( Fraser, Andrew (Mr.)	165
27C	- Baxter, John (Mr.)	155
27D	( Gibbons, Clive (Mr.)	166
27E	( Mueller, Edna (Ms)	167
28A	( Moscoe, David (Mr.)	168
28B	( Weisman, Norris (Mr.)	169
28C	- Heathcote, Robert (Mr.)	170
28D	( Gibbon, Brian L. (Mr.)	178
<u>BUS CAPTAIN</u> 28E	( Giangrande, Carole (Ms)	179
29A	( Thomas, Bruce (Mr.)	172
29B	( McVicker, John (Mr.)	173
29C	- Bertram, John (Mr.)	171
29D	( Mahoney, Patrick (Mr.)	185
29E	( Steinberg, Paul (Mr.)	184
30C	- Dawson, Sydney (Mr.)	175
30D	( Bauman, David (Mr.)	195
30E	( Bauman, Faith (Mrs.)	196
31C	- Peat, James (Mr.)	183
31D	( Clarke, Gregory (Dr.)	197
31E	( Clarke, Lynne (Mrs.)	198
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<u>BUS 5</u> 32C	- Lochner, Frank (Mr.)	207
32D	( Miller, Conrad (Mr.)	199
32E	( Miller, Ruth (Mrs.)	200
33C	- Mills, David (Mr.)	144
33D	( Mullen, William (Mr.)	205
33E	( Mullen, Jeffrey (Mr.)	203
34A	( Griffin, Anthony (Mr.)	186
34B	( Griffin, Lois (Mrs.)	187
34C	{ McArthur, Hugh (Mr.)	213
34D	{ Maxwell, Sandra (Ms)	214
34E	{ Stone, Evelyn (Ms)	215
35A	( Burke, William (Mr.)	189
35B	( Agnos, John (Mr.)	220
35C	- Goldberg, David (Mr.)	208
35D	- Simmonds, John (Mr.)	202

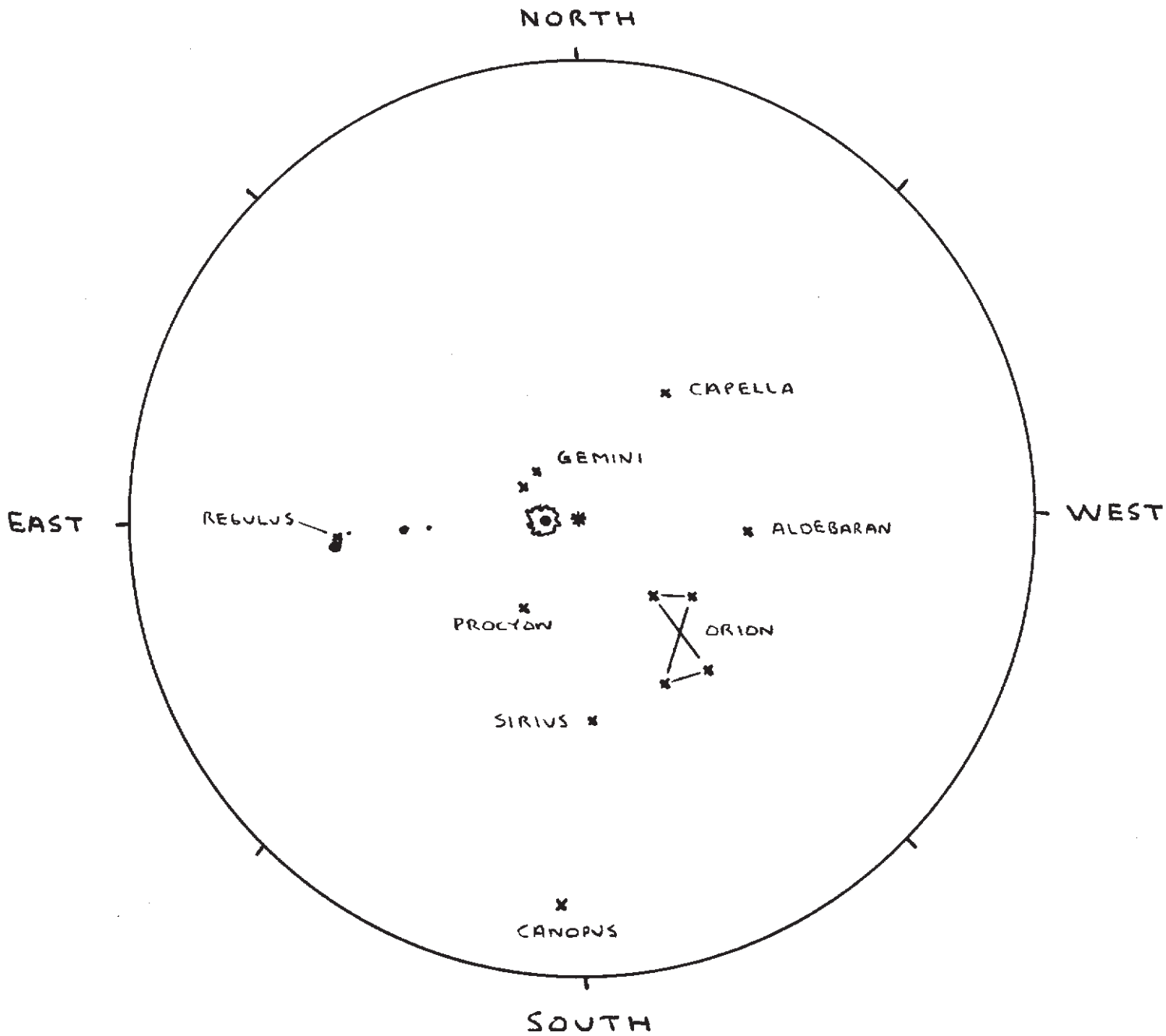
THE ROYAL ASTRONOMICAL SOCIETY OF CANADA

1991 SOLAR ECLIPSE EXPEDITION

OBSERVING SITE DATA

	SANTIAGO, B. C. S.	N. OF TODOS SANTOS, B. C. S.	ATACAMA, NAYARIT
LONGITUDE	109°, 44!0	100°, 13!4	105°, 11!2
LATITUDE	23°, 27!0	23°, 39!9	21°, 30!0
DISTANCE TO CENTRE LINE	12 KM	4 KM	50 KM
1ST CONTACT	10:24:44.9	10:23:33.8	10:36:39.8
2D CONTACT (CORRECTED)	11:49:29.8	11:47:59.1	12:03:24.6
MAXIMUM ECLIPSE	11:52:56.4	11:51:29.2	12:06:41.3
3D CONTACT (CORRECTED)	11:56:16.9	11:54:52.6	12:09:53.3
4TH CONTACT	13:20:59.6	13:19:36.5	13:33:24.6
DURATION (CORRECTED)	6:47.1	6:53.5	6:28.7
1ST CONTACT			
ALTITUDE	62:45	61:74	69:23
AZIMUTH	86:82	86:99	84:15
MID-ECLIPSE			
ALTITUDE	82:63	81:82	89:39
AZIMUTH	99:02	99:32	349:45
MAGNETIC VARIATION	10:0 E.	10:15 E.	8:8 E.





TOTAL SOLAR ECLIPSE - 11 JULY 1991

ALL - SKY VIEW - SANTIAGO, B.C.S.,  
MEXICO

# TOTAL SOLAR ECLIPSE - 11 JULY 1991

PHOTOGRAPHING THE ECLIPSED SUN, PLANETS & STARS

