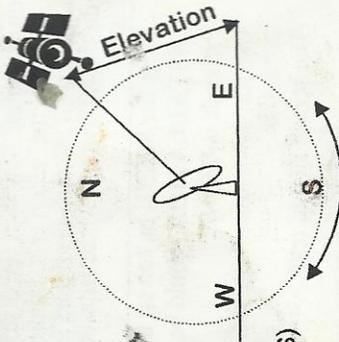


### 3. OPTUS C1 POINTING COORDINATES & LNB SKEWS



**AZIMUTH = COMPASS BEARING**  
(IN DEGREES)

**ELEVATION = ELEVATION OF SATELLITE** (IN DEGREES)

State	Location	AZIMUTH	ELEVATION	LNB SKEW
WA	Albany	54	33	+4
	Broom	65	46	-15
	Bunbury	57	32	0
	Carnarvon	65	35	-10
	Esperance	51	37	+5
	Eucla	44	43	+9
	Exmouth	67	37	-14
	Geraldton	61	34	-5
	Halls Creek	60	51	-10
	Kalgoorlie	53	38	+1
	Karratha	67	40	-14
	Kununurra	62	54	-13
	Marble Bar	64	41	-12
	Margaret River	57	31	0
	Meekatharra	60	37	0
	Merridin	56	35	0
	Newman	62	41	-9
	Perth	70-58	33-24	0
	Warburton	52	45	-10
QLD	Bowen	10	60	+25
	Brisbane	06	58	+39
	Bundaberg	09	61	+37
	Burketown	44	62	+3
	Cairns	32	67	+14
	Charleville	21	57	+26
	Cooktown	35	68	+11
	Hughenden	30	62	+17
	Mackay	18	64	+28
	Mount Isa	40	59	+8
	Port Douglas	33	67	+15
	Rockhampton	14	62	+33
	Roma	16	58	+31
	Toowoomba	09	58	+37
	Townsville	26	65	+20
	Weipa	49	68	-2

*40 36*  
*NO 15-30-00*  
*70-58*  
**CORAL BAY 63 34°**  
*BLINE-UP FENCE POS WITH CORAL BAY SIGN*  
*-54N*

State	Location	AZIMUTH	ELEVATION	LNB SKEW
VIC	Bendigo	19	45	+30
	Echuca	19	46	+30
	Horsham	22	45	+27
	Lakes Entrance	13	45	+35
	Melbourne	18	45	+31
	Mildura	24	47	+26
	Warrnambool	21	43	+28
NT	Alice Springs	45	53	+4
	Barrow Creek	48	55	+1
	Daly River	64	56	-8
	Daly Waters	56	58	-8
	Darwin	65	56	-18
	Katherine	60	58	-12
	Tanami	55	52	-10
	Tennant Creek	50	56	-1

State	Location	AZIMUTH	ELEVATION	LNB SKEW
NSW	Batemans Bay	10	48	+37
	Bourke	19	53	+28
	Broken Hill	26	50	+23
	Byron Bay	05	57	+41
	Dubbo	14	51	+34
	Grafton	06	55	+40
	Lightning Ridge	6	55	+31
	Orange	12	51	+35
	Port Macquarie	06	53	+39
	Sydney	09	49	+38
	Tamworth	10	53	+37
	Wagga Wagga	15	48	+33

State	Location	AZIMUTH	ELEVATION	LNB SKEW
SA	Adelaide	29	44	+22
	Ceduna	38	45	+14
	Cooper Pedy	39	49	+12
	Mt Gambier	24	43	+26
	Murray Bridge	28	45	+23
	Nullabor	43	45	+10
	Port Augusta	32	47	+19
	Smoky Bay	37	45	+14

State	Location	AZIMUTH	ELEVATION	LNB SKEW
TAS	Devonport	14	41	+34
	Hobart	13	40	+36
	Launceston	13	41	+35

State	Location	AZIMUTH	ELEVATION	LNB SKEW
ACT	Canberra	12	48	+35

#### DETERMINING LNB SKEW

LNB SKEW = Rotation of the LNB within it's holder (in the following diagram imagine the dish as a clock face)

