



### HOURS TO FIRST SOLO

CSA - 10		CSA - 11		CSA - 12		CSA - 13		CSA - 14		CSA - 15	
No	1st SOLO	No	1st SOLO	No	1st SOLO	No	1st SOLO	No	1st SOLO	No	1st SOLO
1	21.2	1	16.8	1	10.3	1	9.0	1	13.8	1	16.2
2	21.9	2	19.0	2	14.1	2	9.3	2	14.3	2	17.2
3	23.0	3	20.1	3	14.9	3	9.9	3	14.5	3	18.0
4	23.8	4	21.1	4	16.0	4	10.2	4	14.8	4	18.2
5	24.4	5	21.3	5	16.5	5	10.6	5	15.4	5	18.4
6	25.0	6	21.8	6	16.7	6	10.8	6	15.5	6	19.0
7	26.6	7	22.4	7	16.7	7	11.2	7	15.6	7	19.0
8	26.8	8	22.9	8	17	8	11.4	8	16.4	8	19.5
9	27.7	9	23.5	9	17.1	9	11.6	9	16.9	9	20.1
10	27.8	10	23.9	10	18.0	10	12.3	10	17.0	10	20.1
11	28.4	11	23.9	11	18.3	11	12.6	11	17.7	11	20.4
12	28.5	12	24.0	12	18.7	12	12.9	12	18.0	12	21.2
13	30.8	13	24.3	13	18.9	13	13.2	13	18.3	13	21.8
14	31.1	14	24.4	14	19.4	14	13.2	14	18.9	14	22.0
15	31.3	15	24.6	15	19.8	15	13.2	15	19.1	15	22.4
16	31.6	16	25.0	16	19.8	16	15.1	16	21.1	16	24.0
17	32.3	17	25.3	17	20.1	17	16.4	17	21.2	17	25.4
18	33.2	18	27.0	18	20.4	18	16.9	18	21.4	18	
19	33.2	19	27.3	19	20.8	19	17.4	19	21.6	19	
20	34.1	20	27.4	20	20.9	20	18.7	20	23.8	20	
21	34.2	21	27.7	21	21.1	21	19.4	21		21	
22	35.5	22	27.7	22	21.5	22	20.0	22		22	
23	36.4	23	27.8	23	21.7	23	21.7	23		23	
24	38.5	24	28.6	24	21.7	24	21.7	24		24	
25	39.2	25	28.8	25	21.7	25	22.3	25		25	
26	41.0	26	28.8	26	22.0	26		26		26	
27		27	29.9	27	22.1	27		27		27	
28		28	30.3	28	22.1	28		28		28	
29		29	30.5	29	22.6	29		29		29	
30		30	31.4	30	22.7	30		30		30	
31		31	32.3	31	23.2	31		31		31	
32		32	32.5	32	23.5	32		32		32	
33		33	32.8	33	23.8	33		33		33	
34		34	33.4	34	24.4	34		34		34	
35		35	33.5	35	24.9	35		35		35	
36		36	34.6	36	24.9	36		36		36	
37		37	34.8	37	25.0	37		37		37	
38		38	38.4	38	25.3	38		38		38	
39		39	38.7	39	28.9	39		39		39	
40		40	44.0	40	29.4	40		40		40	
41		41		41	31.2	41		41		41	
Total	787.4	Total	1112.5	Total	826.9	Total	361	Total	355.3	Total	342.9
Hi	41.0	Hi	44.0	Hi	31.2	Hi	22.3	Hi	25.8	Hi	29.4
Lo	21.2	Lo	16.8	Lo	10.3	Lo	9.0	Lo	15.8	Lo	20.2
Av	30.3	Av	27.8	Av	20.2	Av	14.4	Av	17.8	Av	22.9

5 Delay due Wx Strong Winds

NOTES

- These stats have been gathered across 12 consecutive months of training.
- The last two courses have endured the worst wind/weather conditions of the year.
- This is reflected in the stats but overall the trend is pleasing.
- The last two courses have endured the worst wind/weather conditions of the year.
- The Jacobson System was introduced for CSA-12.

China Southern WAFC Statistics  
- 12 Months to Jan 1999



Course	CSA - 10	CSA - 11	CSA - 12	CSA - 13	CSA - 14	CSA - 15			
Placings	Before JF		Jacobson Flare Introduced						
1	21.2	16.8	10.3	9.0	13.8	16.2			
2	21.8	19.0	14.1	9.3	14.3	17.2			
3	23.0	20.1	14.9	9.9	14.5	18.0			
4	23.8	21.1	16.0	10.2	14.8	18.2			
5	24.4	21.3	16.5	10.6	15.4	18.4			
6	25.0	21.8	16.7	10.8	15.5	19.0			
7	26.6	22.4	16.7	11.2	15.6	19.0			
8	26.8	22.9	17.0	11.4	16.4	19.5			
9	27.7	23.5	17.1	11.6	16.9	20.1			
10	27.8	23.9	18.0	12.3	17.0	20.1			
11	28.4	23.9	18.3	12.6	17.7	20.4			
12	28.5	24.0	18.7	12.9	18.0	21.2			
13	30.8	24.3	18.9	13.2	18.3	21.8			
14	31.1	24.4	19.4	13.2	18.9	22.0			
15	31.3	24.6	19.8	13.2	19.1	22.4			
16	31.6	25.0	19.8	15.1	21.1	24.0			
17	32.3	25.3	20.1	16.4	21.2	25.4			
18	33.2	27.0	20.4	16.9	21.4				
19	33.2	27.3	20.8	17.4	21.6				
20	34.1	27.4	20.9	18.7	23.8				
21	34.2	27.7	21.1	19.4					
22	35.5	27.7	21.5	20.0					
23	36.4	27.8	21.7	21.7					
24	38.5	28.6	21.7	21.7					
25	39.2	28.8	21.7	22.3					
26	41.0	28.8	22.0						
27		29.9	22.1						
28		30.3	22.1						
29		30.5	22.6						
30		31.4	22.7						
31		32.3	23.2						
32		32.5	23.5						
33		32.8	23.8						
34		33.4	24.4						
35		33.5	24.9						
36		34.6	24.9						
37		34.8	25.0						
38		38.4	25.3						
39		38.7	28.9						
40		44.0	29.4						
41			31.2						
<b>Totals</b>	787.4	1,112.5	826.9	361.0	355.3	342.9			
<b>Analysis</b>	<b>Before JF</b>		<b>Average Times</b>	<b>Jacobson Flare Introduced</b>				<b>Average Times</b>	<b>% Change</b>
Highest Time	41.0	44.0	42.5	31.2	22.3	23.8	25.4	25.7	-39.6
Lowest Time	21.2	16.8	19.0	10.3	9.0	13.8	16.2	12.3	-35.1
Average Time	30.3	27.8	29.0	20.2	14.4	17.8	20.2	18.1	-37.6

**NOTES - Alby Fyfe Chief Pilot - 3 Jan 1999**

These stats have been gathered across 12 consecutive months of training.  
 The last two courses (CSA - 14 and CSA - 15) have endured worst wind/weather conditions of the year.  
 This is reflected in the stats but, overall, the trend is pleasing.  
 The Jacobson Flare was introduced for CSA-12, onwards.

**NOTE - David Jacobson - 22 December 2015**

The Highest and Lowest times, extracted inaccurately in the original, for CSAs -14 and - 15 have been corrected. This caused a further reduction in the average time for CSA - 15.