

TOSSUP 01



Joe Wurts on IHGLF

From July 2001 "Gull Wings"

It has been a week since the annual Poway get-together. Thought I'd send my views on the fun. This year showed the largest change in gliders and performance, probably as much or more than the rest of the years combined.

Tip launch is here to say.

As usual, the TPG club put on an excellent event. The contest ran with the precision that is now expected from the organizers. We were quite fortunate (in my opinion) that the wind was predominately from the South for Sat/Sun which made the hill to the east almost unusable for slope lift. The altitudes achieved by tip launch made it simple to get to the hill now. You can even get to the hill from the front of the field, which is amazing to me.

My worries as to how tip launch was going to change the event were unfounded. It even made things somewhat easier in that people didn't crowd up as much as they had in past years. You can pretty much make it anywhere on the field without having to run, which is a good thing.

In the weeks preceding the event I was quite discouraged, as my launching was not nearly as good as the local fliers. John Ericson, Brian Buass as well as Lex Mierop were all easily launching considerably higher than I was.

After getting to the Poway field on Thursday afternoon I proceeded to work on figuring out the launch. In the evening I made a small breakthrough in my launch and my heights were getting a little more in line with the high guys. I was quite pleased but the real revelation was on Friday when I finally found what worked for me. All of a sudden I started to get the high launches as well as the raw fingertips. I was launching like John Asplund or Phil Barnes. It turned out that I was trying

to use too much arm/shoulder power which took away from the power available. The planes on the field, in large part, were working well. A few aileron planes had flutter on launch which could really hurt the launch altitude.

I had a large arsenal for the contest, which included:-

- 2 Encores (~9oz)
- 2 Raptor polys (~9oz)
- 1 Raptor Full House (~11oz)
- 1 Ionosphere (for fun flying)

All were using various airfoils that I had cooked up. I had the most time on the Raptor poly, a few weeks of practice on the Encores and a few days' practice on the Raptor FH. They all had slightly different design philosophies behind them. The Raptor airfoils were designed for Poway conditions from the outset, optimized for launch and penetration with a little cost to minimum sink. The Encore airfoil was biased a little bit more for thermal performance. Both the FH and the Encore airfoils were designed for trailing edge camber usage. One of the Encores had a fairly high dihedral angle, which allowed me to set the optimal TE position, and it light air, primarily used just the rudder for turning. In my opinion the latest Encore is probably the best thermalling HLG that I've ever flown. I was continually amazed at how well it stayed up. It also had very benign handling qualities, nicer to fly than the older versions.

The FH was the highest throwing HLG that I've ever had. This is due to the very low ballistic drag coefficient (very low drag and low wing area coupled with a moderately high weight of ~11oz). Having separate flaps and ailerons is a cool thing, bringing in the plane for a fast turnaround catch is a bit easier now. It

flew just like a little open class plane.

I ended up not using the poly during the contest only because I was worried about the turnaround time without glide path control. It probably wouldn't have been an issue but I hadn't really practiced enough to be comfortable. In the lighter conditions on Saturday I used the Encore and for a few rounds on Sunday when the wind was blowing I used the FH. The higher launch of the FH pretty much makes up for the higher wing loading, but I had a but more time with the Encores so used it more often. Its thermal performance had me giggling on the field at times, it just didn't want to come down in the light air. (Did I mention that it thermals well? :-)

Some of the tasks in the event should probably be changed. Many of the tasks don't measure up anymore. What I call the "add-em-up" don't measure much except turnaround time so the point spread is only about 30-50. Tasks like the 5x2 or 1-2-3-4 show a much higher point spread. The first day showed this as the top ten were only separated by 60 points or so. The harder tasks on Sunday did a better job of separating scores. The conditions were more challenging on Sunday which helped.

This year the non-Californians made it be known that they know how to fly HLG. Oleg end up in second by what I call a statistically insignificant amount of points. Bruce Davidson and Phil Barnes were making a run for it as well.

I'd like to thank Phil Pearson & Don Peters of Mapleleaf Designs and Brian Buass of Raptor Aerosports. They worked with me on the maturation of the various designs and I think they've made some really cool toys. I feel quite fortunate to work with people of their caliber. ★

Results of SC2 Contest 4 - SWSA 06/24/01

1	SILENT_WINGS_SOARING_ASSOC	14	993.55	988.22	987.95	2969.72
2	TORREY_PINE_GULLS	4	1000.00	987.41	968.34	2955.76
3	THOUSAND_OAKS_SOARING_SOCIETY	4	981.74	968.88	965.69	2916.31
4	EL_DORADO_SILENT_FLYERS	5	975.60	969.82	879.35	2824.77
5	INLAND_SOARING_SOCIETY	6	982.48	892.88	773.61	2648.96
6	SOARING_UNION_of_LOSANGELES	4	757.43	729.77	648.49	2135.69
7	HARBOR_SOARING_SOCIETY	4	780.66	620.93	523.99	1925.58
8	PASADENA_SOARING_SOCIETY	2	953.27	853.97	0.00	1807.24



1	GEORGE	JOY	TPG	MASTER	2978.90	1000.00	M1
2	EDGAR	VERA	SWSA	MASTER	2959.70	993.55	M2
3	ALBERT	FUNFSTUCK	SWSA	SPORTSMAN	2943.80	988.22	S1
4	PETER	OLSEN	SWSA	EXPERT	2943.00	987.95	E1
5	FRED	SAGE	TPG	MASTER	2941.40	987.41	M3
6	JOHN	YEE	SWSA	EXPERT	2933.10	984.63	E2
7	EMANUEL	GOMEZ,	ISS	3-F	2926.70	982.48	3F1
8	MIKE	REAGAN	TOSS	MASTER	2924.50	981.74	
9	BRUCE	AVESON	SWSA	EXPERT	2909.70	976.77	E3
10	JOHN	BIKLE	EDSF	EXPERT	2906.20	975.60	
11	ANDY	THONET	EDSF	SPORTSMAN	2889.00	969.82	S2
12	BOB	SWET	TOSS	3-F	2886.20	968.88	
13	TERRY	THROOP	TPG	EXPERT	2884.60	968.34	
14	MICHAEL	STERN	TOSS	EXPERT	2876.70	965.69	
15	GENE	HAYS	SWSA	3-F	2864.80	961.70	
16	TONI	STARK	PSS	EXPERT	2839.70	953.27	
17	MIKE	MORJOSEPH	SWSA	EXPERT	2771.20	930.28	
18	GARY	FILICE	TOSS	SPORTSMAN	2704.70	907.95	S3
19	STEVEN	GARLAND	ISS	MASTER	2659.80	892.88	
20	RONALD	HOWELL	EDSF	EXPERT	2619.50	879.35	
21	RICHARD	BURNS	PSS	MASTER	2543.90	853.97	
22	EBER	GRAHAM	SWSA	SPORTSMAN	2484.90	834.17	
23	TOM	FINCH	SWSA	SPORTSMAN	2389.40	802.11	
24	JAY	SIREN	SWSA	3-F	2340.90	785.83	
25	ROSS	THOMAS	HSS	3-F	2325.50	780.66	
26	EMANUEL	GOMEZ	ISS	SPORTSMAN	2304.50	773.61	
27	CRAIG	TOWNSEND	SULA	EXPERT	2256.30	757.43	
28	RICHARD	ROSENTHAL	EDSF	SPORTSMAN	2252.00	755.98	
29	BROWNE	GOODWIN	SULA	3-F	2173.90	729.77	
30	DAN	BORER	SWSA	SPORTSMAN	2048.60	687.70	
31	RON	FAULKENHAM	ISS	MASTER	1976.30	663.43	
32	JIM	SMITH	SULA	3-F	1931.80	648.49	
33	STEVE	UNDERWOOD	EDSF	SPORTSMAN	1889.60	634.33	
34	CASEY	ADAMCZYK	HSS	SPORTSMAN	1849.70	620.93	
35	GEORGE	GOMEZ	ISS	SPORTSMAN	1808.60	607.14	
36	FRANK	CHASTELER	none	SPORTSMAN	1735.10	582.46	
37	JAY	SIREN	SWSA	SPORTSMAN	1697.20	569.74	
38	ROBERT	BROWN	TPG	SPORTSMAN	1613.50	541.64	
39	CHRISTOFF	ADAMCZYK	HSS	SPORTSMAN	1560.90	523.99	
40	KARL	HAWLEY	HSS	3-F	983.90	330.29	
41	ARCHIE	MILLS	SULA	3.F	772.80	259.42	
42	IAN	DOUGLAS	SWSA	SPORTSMAN	765.30	256.91	
43	ROBERT	GLASS	ISS	SPORTSMAN	529.30	177.68	
44	ROBERT	LITSEY	SWSA	3-F	267.10	89.66	

Emanuel Gomez and Casey Adamczyk were juniors. Emanuel has been creeping up the results list and has now made it to the tropics. Someone to watch.....

JULY 2001 TOSS Monthly Contest																
NAME	CLASS	Glider	ROUND 1			ROUND 2			ROUND 3			ROUND 4			TOTAL	Yearly Flier
			Time	Landing	Points	Time	Landing	Points	Time	Landing	Points	Time	Landing	Points	POINTS	Points
Mike Reagan	Open	Addiction	4:01	89	985.25	5:59	71	968.50	8:02	95	991.25	6:01	89	986.50	3931.50	1000.00
Don Northern	Open	Gemini 'S'	3:59	70	966.25	5:58	88	983.00	8:01	58	956.13	5:45	93	955.50	3860.88	982.04
Gary Filice	Open	Addiction	4:00	67	967.00	6:01	84	981.50	8:05	74	964.63	6:02	32	927.00	3840.13	976.76
Mike Stern	Open	Addiction	3:58	42	934.50	6:02	95	990.00	7:57	0	894.38	5:59	70	967.50	3786.38	963.09
Bob Swet	Open	Isaar	4:04	71	956.00	6:02	85	980.00	8:00	93	993.00	4:13	63	695.50	3624.50	921.91
David Butkovich	Open	Addiction	2:24	64	604.00	5:55	90	977.50	8:02	46	942.25	4:49	78	800.50	3324.25	845.54
Myles Moran	Open	??	4:01	95	991.25	3:38	93	638.00	5:15	0	590.63	0:0	0	0.00	2219.88	564.64
Bob Swet	Sport	Isaar	3:54	79	956.50	6:00	97	997.00	7:38	68	926.75	6:02	86	981.00	3861.25	1000.00
Mike Reagan	Sport	Ole Misty	3:57	38	926.75	5:56	0	890.00	8:00	73	973.00	6:00	84	984.00	3773.75	977.34
Don Northern	Sport	Gemini 'S'	4:02	63	955.50	5:59	86	983.50	6:27	56	781.63	6:01	89	986.50	3707.13	960.08
Derek Bennett	Sport	Spirit 100	2:56	38	698.00	3:30	0	525.00	1:45	0	196.88	2:45	0	412.50	1832.38	474.55

HSS SC-2 HAND LAUNCH SCORES July 14, 2001

Pilot	Round 1		Round 2		Round 3		Round 4		Cum	Trophy	Norm
	Norm	Norm	Norm	Norm	Norm	Norm	Norm	Norm			
Ericksen, J	1000.0	1000.0	1000.0	1000.0	1000.0	1000.0	1000.0	1000.0	4000.0	1	1000
Meirap, L	1000.0	975.8	969.3	980.9	980.9	980.9	980.9	980.9	3926.0	2	981.5
Schulte, P	1000.0	1000.0	916.7	1000.0	1000.0	1000.0	1000.0	1000.0	3916.7	3	979.2
Watson, B	1000.0	1000.0	887.2	1000.0	1000.0	1000.0	1000.0	1000.0	3887.2		971.8
Markiewicz, A	1000.0	976.2	1000.0	906.2	1000.0	906.2	906.2	906.2	3882.4		970.6
Krainock, J	916.7	967.1	936.2	910.8	936.2	910.8	910.8	910.8	3730.8		932.7
Pettyjohn, L	846.2	969.4	1000.0	722.7	1000.0	722.7	722.7	722.7	3538.3	1S	884.6
Lee, M	848.2	983.0	834.9	776.1	834.9	776.1	776.1	776.1	3440.2		860.1
Clarkson, T	923.1	947.4	627.4	805.7	627.4	805.7	805.7	805.7	3303.5		825.9
Hurd, S	769.2	928.7	754.0	808.9	754.0	808.9	808.9	808.9	3260.8	2S	815.2
Gomez, E	769.2	852.3	724.0	710.9	724.0	710.9	710.9	710.9	3056.4	3S	764.1
Boyd	1000.0	660.9	640.1	699.4	640.1	699.4	699.4	699.4	3000.4		750.1

Flier for SVSF SC2 HLG Contest
<http://www.sc-2.org/scsf01hn.pdf>

Flier for Fall Visalia
<http://www.sc-2.org/cvrc01n.pdf>