Frontal Area = 7 | Wheelbase = 145 | (Lbs@29.92"hg, 60 F) | REQ'D INPUTS >> mph = 400 | track = 5

Date: May 4, 2017

Comments	Run	Pt	C_D	C_L	C_{LF}	C_{LR}	C_S	C_{PM}	C_{YM}	C_{RM}	Q (psf)	Drag HP	Drag LB	Lift LB	Lift F LB	Lift R LB	L / D	Side LB	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
	1	avg	.083	-.111	-.060	-.050	-.004	-.005	.001	.000	13.11								.177	.178	.177	.178	.178	.177	.177	.177	.178	.178	.177	.178	.178
As arrived w/o chute doors		1	.083	-.111	-.061	-.050	-.006	-.006	.002	-.001	13.137	253	237	-318	-175	-143	-1.343	-16	.178	.178	.178	.178	.178	.177	.177	.178	.178	.178	.178	.178	.178
		2	.084	-.110	-.060	-.050	-.003	-.005	.000	-.001	13.099	256	240	-315	-171	-144	-1.314	-8	.177	.178	.177	.178	.178	.177	.177	.177	.178	.178	.178	.177	.178
		3	.083	-.111	-.060	-.051	-.004	-.005	.002	.000	13.086	255	239	-317	-172	-145	-1.330	-12	.177	.177	.177	.177	.178	.177	.177	.177	.177	.177	.177	.177	.178
		4																													
	2	avg	.085	-.108	-.059	-.049	-.004	-.005	.002	.000	13.09								.177	.177	.177	.177	.177	.177	.177	.178	.178	.178	.177	.177	.178
Add scoop		1	.085	-.106	-.057	-.049	-.005	-.004	.003	.000	13.112	259	243	-304	-164	-140	-1.253	-13	.178	.177	.178	.177	.178	.177	.177	.178	.178	.178	.177	.178	.178
		2	.086	-.109	-.060	-.049	-.003	-.006	.002	.000	13.073	263	247	-313	-173	-141	-1.269	-10	.177	.177	.177	.177	.177	.177	.177	.177	.178	.178	.178	.177	.178
		3																													
		4																													
	3	avg	.086	-.106	-.059	-.047	-.007	-.006	.003	.000	13.09								.176	.177	.177	.177	.177	.176	.176	.176	.177	.177	.177	.176	.177
Add 2 cameras		1	.085	-.104	-.057	-.047	-.007	-.005	.003	-.001	13.117	260	244	-298	-164	-133	-1.220	-21	.176	.177	.177	.176	.177	.176	.176	.176	.176	.176	.177	.176	.177
		2	.086	-.107	-.060	-.048	-.006	-.006	.002	.001	13.072	264	247	-308	-171	-136	-1.244	-18	.177	.177	.177	.177	.177	.176	.176	.176	.177	.177	.177	.177	.177
		3																													
		4																													
	4	avg	.071	-.103	-.061	-.042	-.004	-.009	-.002	-.001	13.01								.176	.176	.176	.176	.176	.176	.176	.177	.176	.177	.176	.176	.177
Remove scoop, add chute doors (closed)		1	.071	-.101	-.060	-.041	-.004	-.010	.001	.000	13.050	218	204	-289	-172	-117	-1.418	-12	.176	.176	.176	.177	.177	.176	.176	.177	.177	.177	.176	.176	.177
		2	.071	-.105	-.062	-.044	-.003	-.009	-.004	-.002	12.980	218	205	-302	-176	-125	-1.472	-8	.176	.176	.176	.176	.176	.176	.176	.177	.176	.177	.176	.176	.177
		3																													
		4																													
	5	avg	.075	-.104	-.059	-.045	.000	-.007	-.003	.000	13.03								.175	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175
Open doors 2-1/4"		1	.074	-.105	-.059	-.045	-.001	-.007	-.005	-.001	13.064	227	213	-300	-170	-130	-1.411	-2	.175	.176	.175	.175	.175	.174	.175	.175	.175	.175	.175	.175	.175
		2	.075	-.104	-.058	-.045	.002	-.006	-.002	.000	12.992	230	216	-297	-167	-130	-1.376	4	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175	.175
		3																													
		4																													
	6	avg	.104	-.124	-.058	-.066	.022	.004	-.020	.004	13.00								.171	.171	.171	.172	.171	.171	.171	.171	.172	.172	.171	.171	.172
Open doors 11-7/8" (fully open)		1	.104	-.123	-.057	-.066	.023	.005	-.019	.004	13.020	318	298	-351	-163	-189	-1.178	65	.171	.172	.171	.172	.171	.171	.171	.171	.172	.172	.171	.171	.171
		2	.104	-.125	-.059	-.066	.021	.003	-.021	.004	12.971	319	299	-357	-168	-188	-1.193	59	.171	.171	.172	.172	.171	.171	.171	.171	.171	.172	.171	.171	.172
		3																													
		4																													
	7	avg	.074	-.099	-.060	-.039	-.004	-.011	-.001	-.001	13.01								.176	.176	.176	.176	.176	.175	.176	.176	.176	.176	.176	.176	.176
Add scoop, add 360 degree camera		1	.073	-.098	-.060	-.038	-.004	-.011	-.001	-.001	13.006	224	210	-281	-171	-109	-1.335	-12	.176	.176	.176	.176	.176	.176	.176	.176	.176	.176	.176	.176	.176
Doors closed		2	.075	-.100	-.060	-.040	-.003	-.010	-.001	-.002	13.010	228	214	-286	-173	-114	-1.338	-8	.175	.176	.176	.176	.176	.175	.175	.176	.176	.176	.175	.175	.176
		3																													
		4																													
	8	avg	.076	-.101	-.058	-.042	-.004	-.008	.000	-.001	12.92								.176	.177	.177	.177	.177	.176	.176	.177	.177	.177	.177	.177	.177
Add strake to top trailing edge of the body		1	.076	-.100	-.057	-.043	-.005	-.007	.000	-.001	12.882	234	219	-285	-163	-123	-1.304	-13	.177	.177	.177	.177	.177	.177	.177	.177	.177	.177	.177	.177	.178
		2	.076	-.102	-.060	-.042	-.003	-.009	-.001	.000	12.957	233	218	-291	-172	-119	-1.336	-7	.176	.176	.176	.177	.176	.176	.176	.177	.176	.176	.176	.176	.177
		3																													
		4																													
	9	avg																													
		1																													
		2																													
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