

Table 1. Zero level adjustments the *Herschel* intensity maps for generating HOTT map

Field	160 μm			250 μm			350 μm			500 μm	
	zero level	offset (μ) ^a	SPIRE	zero level	offset (μ) ^a	SPIRE	zero level	offset (μ) ^a	SPIRE	zero-point	offset (μ) ^a
Aquila	240.63	9.33	133.5	11.33	-6.61	76.08	1.99	-1.26	31.45	0.99	0.96
Ser Main	297.62	-0.86	151.7	25.71	1.84	84.83	2.78	-1.07	34.49	0.14	0.42
Serpens	173.92	5.21	98.68	7.61	-3.3	56.2	1.06	-0.66	23.29	0.44	0.66
Aquila W	117.28	-0.47	75.45	7.83	0.68	44.4	0.38	-0.47	18.78	-0.11	0.29
CepL1157	30.23	-0.16	22.33	1.5	0.0	13.24	0.49	0.01	5.67	0.02	-0.03
CepL1172	41.24	-2.4	27.9	3.4	0.35	16.77	0.72	-0.06	7.22	-0.1	-0.27
CepL1228	34.43	0.19	21.42	1.37	0.0	13.03	0.07	-0.04	5.69	-0.1	0.1
CepL1241	51.72	-1.53	31.75	3.51	0.39	19.3	0.52	-0.18	8.34	0.04	0.04
CepL1251	34.42	0.65	24.39	2.2	-0.07	14.92	0.4	0.01	6.45	0.03	0.09
Cha I	30.28	-0.28	21.89	1.24	0.08	13.21	-0.4	-0.11	5.75	-0.21	0.16
Cha II	38.56	-0.06	22.56	1.06	0.03	13.54	-0.41	-0.05	5.86	-0.29	0.08
Cha III	33.65	-0.64	18.41	1.88	0.07	11.28	-0.21	-0.1	4.92	-0.26	0.08
Csack Glob1	296.73	6.03	183.53	8.0	-4.83	103.44	-0.12	-1.68	42.06	0.49	0.7
Csack Glob2	298.4	4.73	175.2	5.83	-3.9	98.63	-0.5	-1.3	40.2	0.17	0.54
Coalsack	441.49	-1.36	228.63	12.63	2.79	121.7	-0.37	-1.41	48.02	-0.2	0.49
CrA N	31.54	-0.4	11.45	0.25	0.02	6.85	-0.8	-0.07	2.96	-0.47	0.04
CrA S	25.43	-0.65	15.08	0.52	0.05	9.12	-0.8	-0.09	3.89	-0.48	0.03
IC5146	69.07	0.01	34.74	5.13	-0.0	21.0	0.66	-0.01	9.0	-0.1	0.02
Lupus I	54.91	2.75	27.07	0.64	-0.23	15.49	-1.36	0.07	6.52	-0.48	0.62
Lupus III	75.89	0.41	51.53	3.27	-0.09	28.6	-0.11	-0.04	11.61	-0.24	0.12
Lupus IV-SP2	85.76	1.94	46.49	1.81	-0.53	25.39	-0.81	0.11	10.24	-0.46	0.29
Lupus IV-SP1	73.25	0.83	43.5	-0.09	-0.26	24.07	-1.04	0.07	9.78	-0.49	0.06
Musca	39.0	0.46	24.3	1.97	-0.04	14.45	-0.2	0.0	6.19	-0.28	0.11
OphL1688	204.42	-0.37	92.97	11.41	0.88	47.62	0.07	-0.67	18.14	0.02	0.46
OphL1712	125.74	-0.05	51.4	4.91	0.31	29.15	-0.47	-0.26	11.69	-0.43	0.3
North Streamer	73.13	-0.54	36.97	2.59	0.18	21.01	-1.14	-0.12	8.66	-0.77	0.08
OrionA N	67.25	-0.49	44.93	4.62	0.18	24.96	-0.55	-0.22	10.28	-0.37	0.2
OrionA C	74.38	0.01	53.29	3.35	0.1	31.12	-0.3	-0.15	12.82	-0.15	0.25
OrionA S	76.74	0.84	53.93	3.71	-0.05	32.11	-0.06	-0.16	13.64	-0.04	0.35
OrionB N	84.09	-0.46	41.24	2.18	0.22	24.02	-0.75	-0.16	10.08	-0.34	0.15
OrionB NN	81.68	-0.46	46.05	4.93	0.28	26.5	-0.27	-0.2	11.06	-0.41	0.18
OrionB S	105.06	-1.83	50.86	5.61	0.76	28.86	0.02	-0.19	11.92	-0.41	-0.09
Perseus E	102.65	-0.69	47.69	5.43	0.37	26.9	-0.51	-0.2	11.03	-0.5	0.15
Perseus W	53.99	1.06	34.17	1.59	-0.18	20.51	-0.28	0.02	8.8	-0.17	0.15
Pipe C	165.21	7.93	72.56	6.63	-3.79	41.03	0.19	0.19	16.94	-0.29	0.9
Pipe E	176.99	3.73	111.3	7.55	-2.42	62.16	-0.7	-0.48	25.37	-0.55	0.49
B59	92.98	0.18	50.96	2.05	-0.04	28.71	-0.55	-0.04	11.78	-0.36	0.06
B68	106.08	0.71	51.88	5.86	-0.11	28.93	-0.22	-0.15	11.85	-0.42	0.34
Pipe fill 1	148.88	-10.44	93.44	25.58	16.35	49.63	3.34	-0.24	19.55	0.15	-0.56
Pipe fill 2	201.94	12.52	77.84	7.23	-6.16	43.81	-0.63	-0.08	17.93	-0.59	1.43
Pipe fill 3	116.78	1.26	69.66	5.0	-0.68	39.59	-0.06	-0.12	16.38	-0.32	0.2
TauFill	52.1	0.71	32.65	0.69	-0.04	20.25	-1.25	-0.03	8.98	-0.72	0.21
TauL1489	17.79	0.36	13.67	-0.21	-0.02	8.49	-0.98	0.02	3.72	-0.57	0.02
TauL1517	49.94	1.25	32.88	2.13	-0.19	20.31	-0.33	-0.02	8.87	-0.33	0.21
TauL1521	15.76	0.84	34.33	2.24	-0.07	21.41	0.01	-0.07	9.45	-0.03	0.22
TauL1539	55.54	0.83	36.94	2.97	-0.1	22.98	-0.6	-0.04	10.12	-0.52	0.22
TauL1544	46.81	0.07	38.79	3.73	0.08	24.38	-0.28	-0.14	10.81	-0.4	0.18
TauL1551	49.19	1.37	31.44	1.11	-0.23	19.02	-0.37	0.01	8.19	-0.26	0.17
TauS1	48.2	0.99	33.38	1.4	-0.12	20.67	-0.48	-0.06	9.13	-0.29	0.22
TauS2	48.6	1.34	33.13	1.19	-0.2	20.81	-0.14	0.01	9.24	-0.16	0.16
TauS3	37.36	1.55	25.17	1.41	-0.15	15.7	-0.01	0.07	6.93	-0.15	0.13
TauT3	32.03	-0.33	21.46	1.3	0.04	13.28	-0.3	-0.04	5.84	-0.31	0.02
TauTMC	62.72	1.58	48.94	3.07	-0.32	30.93	0.03	-0.21	13.76	0.02	0.35
TauTMC E	71.81	-1.2	47.63	5.69	0.61	29.78	0.05	-0.18	13.03	-0.47	0.04

Note. — These are the total zero-level adjustment needed to correct the absolute intensity of *Herschel* maps for the mentioend fields. SPIRE values have already been applied to the latest maps on HSA upon download. Therefore, only the sum of zero level and offset need to be added to the intensity maps. It is important to note that this does not the values associated with the tilt applied to these maps. For more detail see the paper: [Singh & Martin \(2022\)](#).

^aAdditional adjctments to zero level were applied after the initial run. This was calculated by measuing the peak of $I_\nu - I_{\nu,m}$ distribution for each passband.