global store metric: l1tex__t_sectors_pipe_lsu_mem_global_op_st.sum
global load metric: l1tex__t_sectors_pipe_lsu_mem_global_op_ld.sum

A100   note: the FLOP of halo calculation in TCStencil is ignored

stencil implemen	r	inner mesh	FLOP	time us	global store sectors	global load sectors	bytes	FLOP/byte AI	FLOP/s
tc-w/o-tc-star	1	7200	518400000	194.46	6,480,000	11,744,979	583199328	0.888889913	2.66584E+12
	2	7200	933120000	300.38	16,200,000	13,770,000	959040000	0.972972973	3.10647E+12
tc-w/o-tc-box	1	7200	933120000	206.59	6,480,000	11,744,967	583198944	1.600002897	4.51677E+12
	2	7200	2592000000	320.51	16,200,000	12,960,000	933120000	2.777777778	8.08711E+12
tcstencil-star	1	7200	3317760000	152.16	3,240,000	28,350,000	1010880000	3.282051282	2.18044E+13
	2	7200	3317760000	181.82	3,240,000	34,020,000	1192320000	2.782608696	1.82475E+13
tcstencil-box	1	7200	4976640000	173.66	3,240,000	31,185,000	1101600000	4.517647059	2.86574E+13
	2	7200	8294400000	198.88	3,240,000	45,360,000	1555200000	5.333333333	4.17056E+13
tensor core global memory peak							1.555E+12	200.6430868	3.12E+14
FPU global memory peak							1.555E+12	50.1607717	7.8E+13

V100   note: the FLOP of halo calculation in TCStencil is ignored

stencil implemen	r	inner mesh	FLOP	time us	global store	global load	bytes	FLOP/byte AI	FLOP/s
tc-w/o-tc-star	1	7200	518400000	376.51	6,481,070	11,745,093	583237216	0.888832169	1.37686E+12
	2	7200	933120000	556.54	16,199,395	13,769,040	958989920	0.973023783	1.67664E+12
tc-w/o-tc-box	1	7200	933120000	384.51	6,480,038	11,745,158	583206272	1.599982793	2.42678E+12
	2	7200	2592000000	520.48	16,200,250	12,957,600	933051200	2.777982602	4.98002E+12
tcstencil-star	1	7200	3317760000	274.34	3,240,000	28,354,565	1011026080	3.281577069	1.20936E+13
	2	7200	3317760000	306.69	3,239,990	33,996,606	1191571072	2.784357625	1.0818E+13
tcstencil-box	1	7200	4976640000	313.73	3,240,000	21,481,837	791098784	6.290794653	1.58628E+13
	2	7200	8294400000	358.05	3,240,000	29,193,390	1037868480	7.991764043	1.59361E+13
tensor core global memory peak							9E+11	138.8888889	1.25E+14
tensor core L2 peak							4.1984E+12	29.77324695	1.25E+14
FPU global memory peak							9E+11	34.88888889	3.14E+13
FPU L2 peak							4.1984E+12	7.479039634	3.14E+13