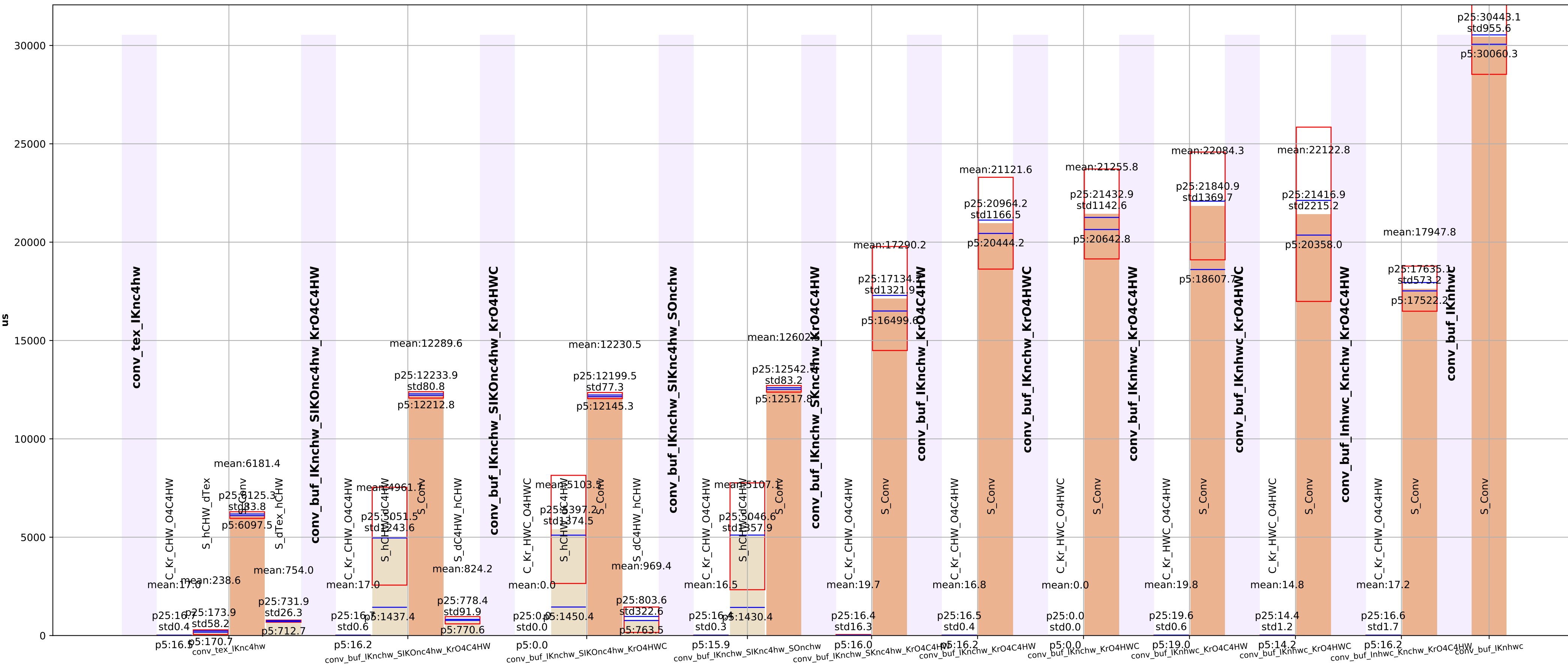
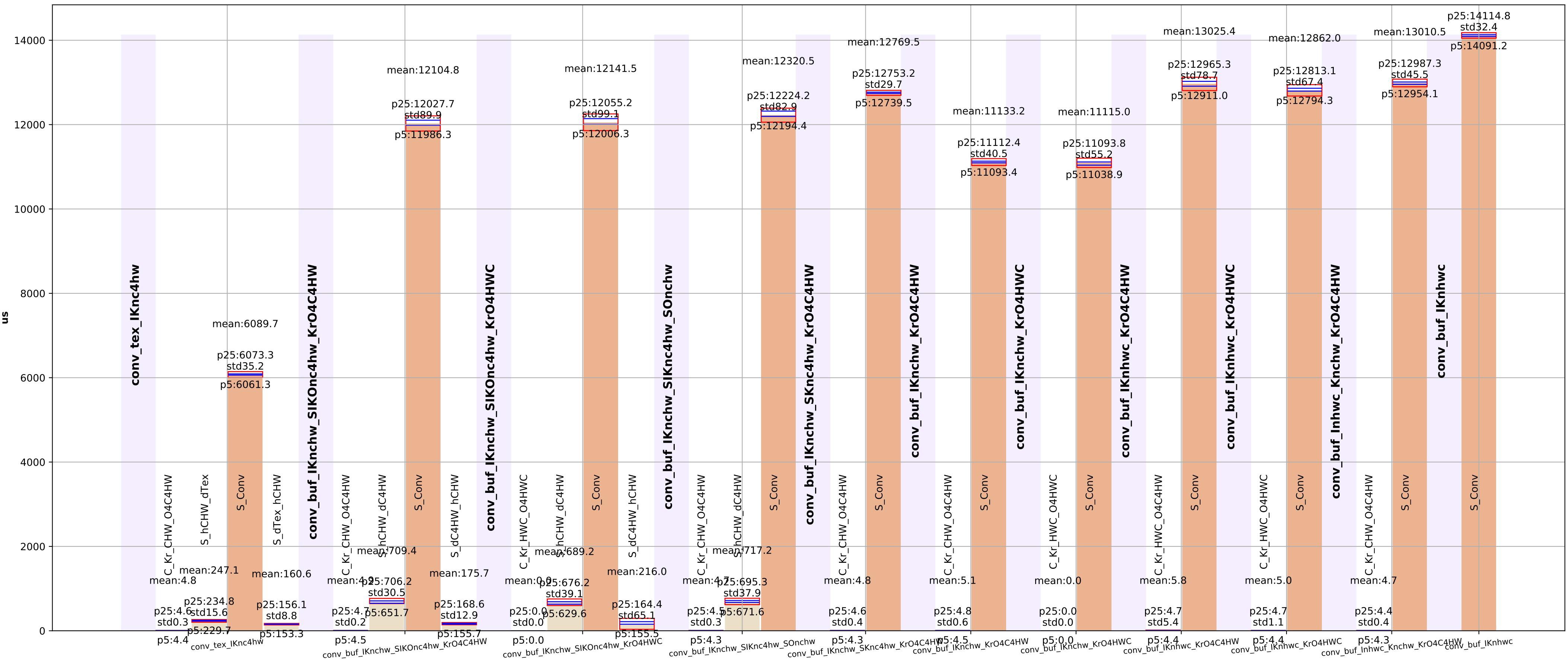


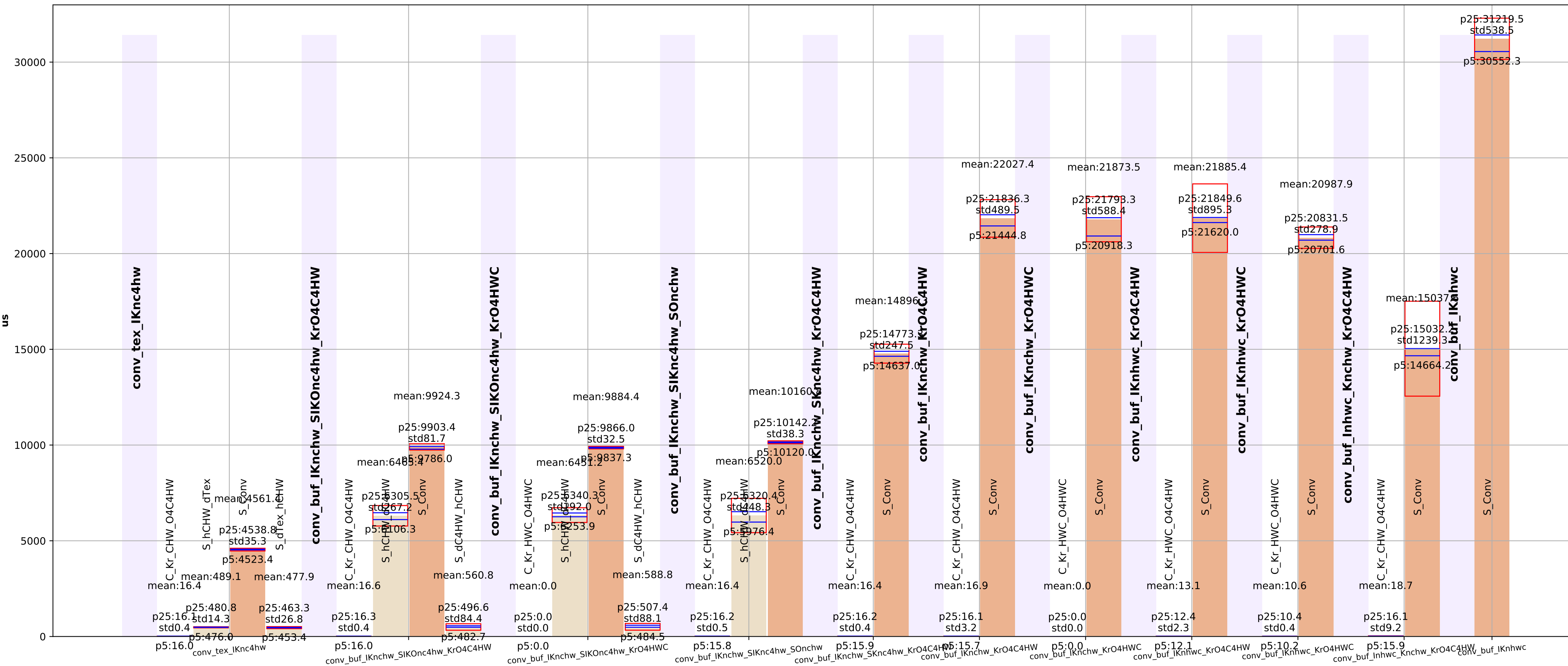
N:1/H:224/W:224/KH:3/KW:3/py:1/pxl:1/S:2/D:1/G:1/GCin:3/GCout:32/iterations:1/repeats:35 google Pixel 3 XL 29 farm64-v8a, armeabi-v7a, armeabi					Qualcomm Adreno (TM) 630				
								std(us)	
aconv	conv_tex_1Knc4hw	C_Kr_CHW_O4C4HW	16.510	16.666	16.984			0.412	
		S_hCHW_dTex	170.677	173.906	238.622			58.209	
		S_Conv	6097.500	6125.261	6181.407			83.847	
		S_dTex_hCHW	712.656	731.875	753.957			26.251	
		C_Kr_CHW_O4C4HW	16.198	16.667	16.995			0.560	
		S_hCHW_dC4HW	1437.448	5051.511	4961.667			1243.565	
		S_Conv	12212.813	12233.855	12289.581			80.777	
		S_dC4HW_hCHW	770.573	778.386	824.191			91.911	
		C_Kr_HWC_O4HWC	0.000	0.000	0.000			0.000	
conv_buf_1Knc4hw_SIKOnc4hw_KrO4C4HW		S_hCHW_dC4HW	1450.365	5397.188	5103.474			1374.453	
		S_Conv	12145.314	12199.480	12230.453			77.269	
		S_dC4HW_hCHW	763.542	803.646	969.422			322.575	
		C_Kr_CHW_O4C4HW	15.938	16.354	16.537			0.347	
		S_hCHW_dC4HW	1430.365	5046.563	5107.134			1357.882	
		S_Conv	12517.814	12542.709	12602.468			83.213	
conv_buf_1Knc4hw_SKnc4hw_KrO4C4HW		C_Kr_CHW_O4C4HW	16.042	16.354	19.658			16.263	
		S_Conv	16499.637	17134.741	17290.172			1321.918	
		C_Kr_CHW_O4C4HW	16.250	16.459	16.769			0.440	
		S_Conv	20444.169	20964.168	21121.639			1166.475	
		C_Kr_HWC_O4HWC	0.000	0.000	0.000			0.000	
conv_buf_1Knc4hw_KrO4HWC		S_Conv	20642.814	21432.867	21255.827			1142.628	
		C_Kr_HWC_O4C4HW	19.011	19.635	19.816			0.595	
		S_Conv	18607.710	21840.887	22084.250			1369.739	
conv_buf_1Knhwc_KrO4C4HW		C_Kr_HWC_O4HWC	14.219	14.427	14.816			1.233	
		S_Conv	20358.023	21416.877	22122.785			2215.212	
		C_Kr_CHW_O4C4HW	16.250	16.614	17.163			1.654	
conv_buf_1nhwc_Knc4hw_KrO4C4HW		S_Conv	17522.241	17635.106	17947.766			573.209	
		S_Conv	30060.316	30443.076	30536.927			385.615	
		S_Conv						mean:30536.9	



N:1/H:112/W:112/KH:3/KW:3/py:1/pxl:1/S:1/D:1/G:32/Cin:1/GCout:1/iterations:1/repeats:35 google Pixel 3 XL 28.5 farm64-v8a, armeabi-v7a, armeabi					Qualcomm Adreno (TM) 630						
aconv		conv tex lKnc4hw		C Kr CHW O4C4HW		S hCHW dTex		S Conv		std(us)	
				4.427		4.583		4.818		0.295	
				229.740		234.791		247.099		15.590	
				6061.251		6073.282		6089.718		35.177	
				153.282		156.146		160.575		8.833	
conv buf lKnc4hw SlKOnc4hw KrO4C4HW				4.531		4.688		4.851		0.247	
				651.719		706.198		709.396		30.478	
				11986.251		12027.709		12104.814		89.889	
				155.729		168.645		175.712		12.889	
conv buf lKnc4hw SlKOnc4hw KrO4HWC				0.000		0.000		0.000		0.000	
				629.583		676.250		689.236		39.084	
				12006.251		12055.157		12141.524		99.140	
				155.469		164.427		216.019		65.118	
conv buf lKnc4hw SlKnc4hw SlOnchw				4.323		4.531		4.668		0.255	
				671.562		695.312		717.162		37.880	
				12194.377		12224.220		12320.548		82.910	
conv buf lKnc4hw SKnc4hw KrO4C4HW				4.271		4.635		4.832		0.353	
				12739.480		12753.178		12769.507		29.699	
conv buf lKnc4hw KrO4C4HW				4.479		4.792		5.064		0.609	
				11093.387		11112.397		11133.157		40.452	
conv buf lKnc4hw KrO4HWC				0.000		0.000		0.000		0.000	
				11038.855		11093.751		11114.994		55.225	
conv buf lKnhwc KrO4C4HW				4.375		4.740		5.849		5.398	
				12910.991		12965.262		13025.369		78.729	
conv buf lKnhwc KrO4HWC				4.375		4.687		5.049		1.080	
				12794.325		12813.074		12862.038		67.375	
conv buf lnhwc Knc4hw KrO4C4HW				4.323		4.427		4.662		0.369	
				12954.116		12987.293		13010.505		45.508	
conv buf lKnhwc				14091.200		14114.845		14133.338		52.436	
										mean:14133.3	

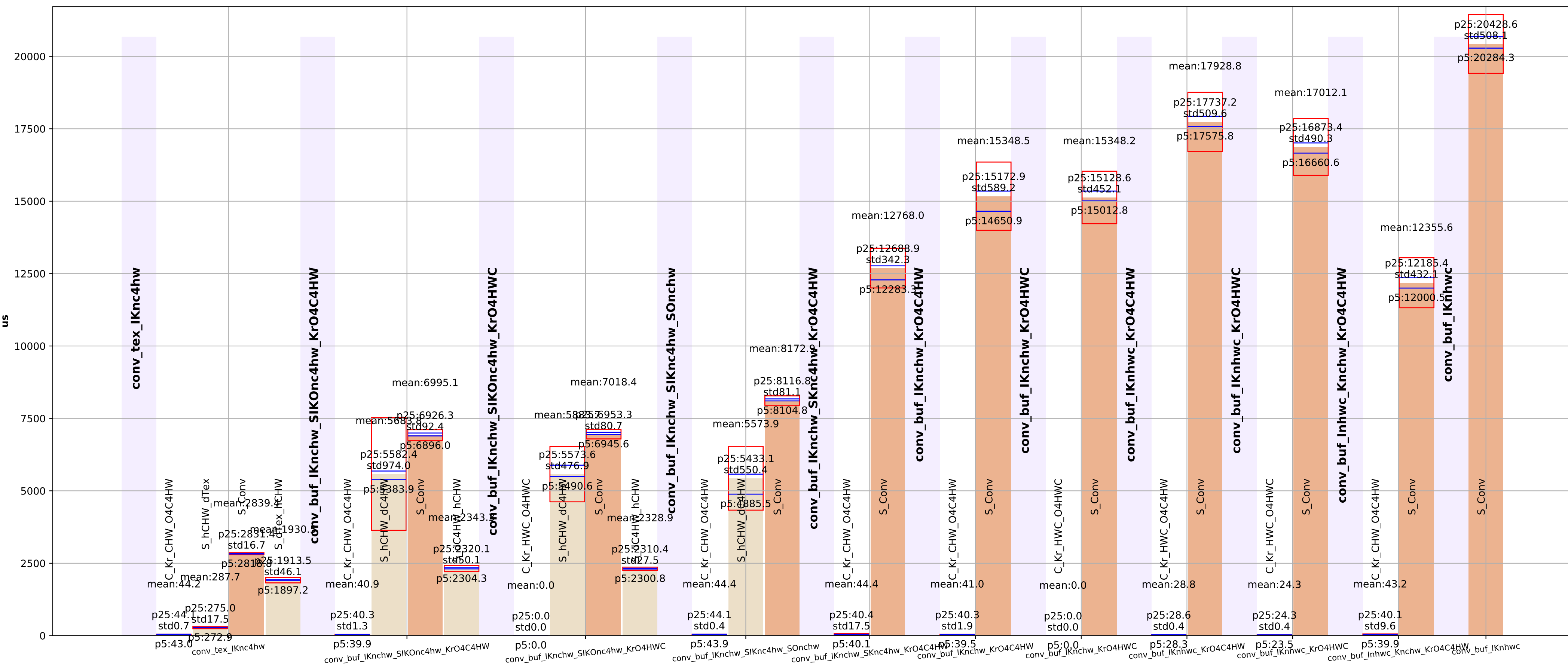


aconv tex 1Knc4hw		C Kr CHW O4C4HW	15.989	16.094	16.368	std(us)	0.392
		S hCHW dTex	476.042	480.833	489.141		14.294
		S Conv	4523.438	4538.751	4561.375		35.259
		S dTex hCHW	453.385	463.282	477.851		26.801
conv buf 1Knc4hw SIKOnc4hw KrO4C4HW		C Kr CHW O4C4HW	16.042	16.302	16.552		0.404
		S hCHW dC4HW	6106.303	6305.522	6465.428		267.234
		S Conv	9786.042	9903.387	9924.343		81.722
		S dC4HW hCHW	482.709	496.615	560.755		84.436
conv buf 1Knc4hw SIKOnc4hw KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000		0.000
		S hCHW dC4HW	6253.906	6340.261	6451.244		191.957
		S Conv	9837.293	9865.990	9884.360		32.534
		S dC4HW hCHW	484.531	507.396	588.832		88.141
conv buf 1Knc4hw SIKnc4hw SOnc4hw		C Kr CHW O4C4HW	15.781	16.198	16.412		0.475
		S hCHW dC4HW	5976.407	6320.365	6520.008		448.258
		S Conv	10120.001	10142.241	10160.822		38.257
conv buf 1Knc4hw SKnc4hw KrO4C4HW		C Kr CHW O4C4HW	15.886	16.198	16.422		0.365
		S Conv	14637.032	14773.335	14896.252		247.515
conv buf 1Knc4hw KrO4C4HW		C Kr CHW O4C4HW	15.677	16.094	16.943		3.211
		S Conv	21444.846	21836.252	22027.369		489.468
conv buf 1Knc4hw KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000		0.000
		S Conv	20918.283	21793.284	21873.461		588.420
conv buf 1Knhwc KrO4C4HW		C Kr HWC O4C4HW	12.083	12.448	13.113		2.307
		S Conv	21620.002	21849.638	21885.380		895.326
conv buf 1Knhwc KrO4HWC		C Kr HWC O4HWC	10.156	10.365	10.623		0.409
		S Conv	20701.617	20831.513	20987.861		278.857
conv buf 1nhwc Knchw KrO4C4HW		C Kr CHW O4C4HW	15.886	16.145	18.658		9.193
		S Conv	14664.220	15032.242	15037.604		1239.306
conv buf 1Knhwc		S Conv	30552.347	31219.482	31418.948	mean:	31418.9

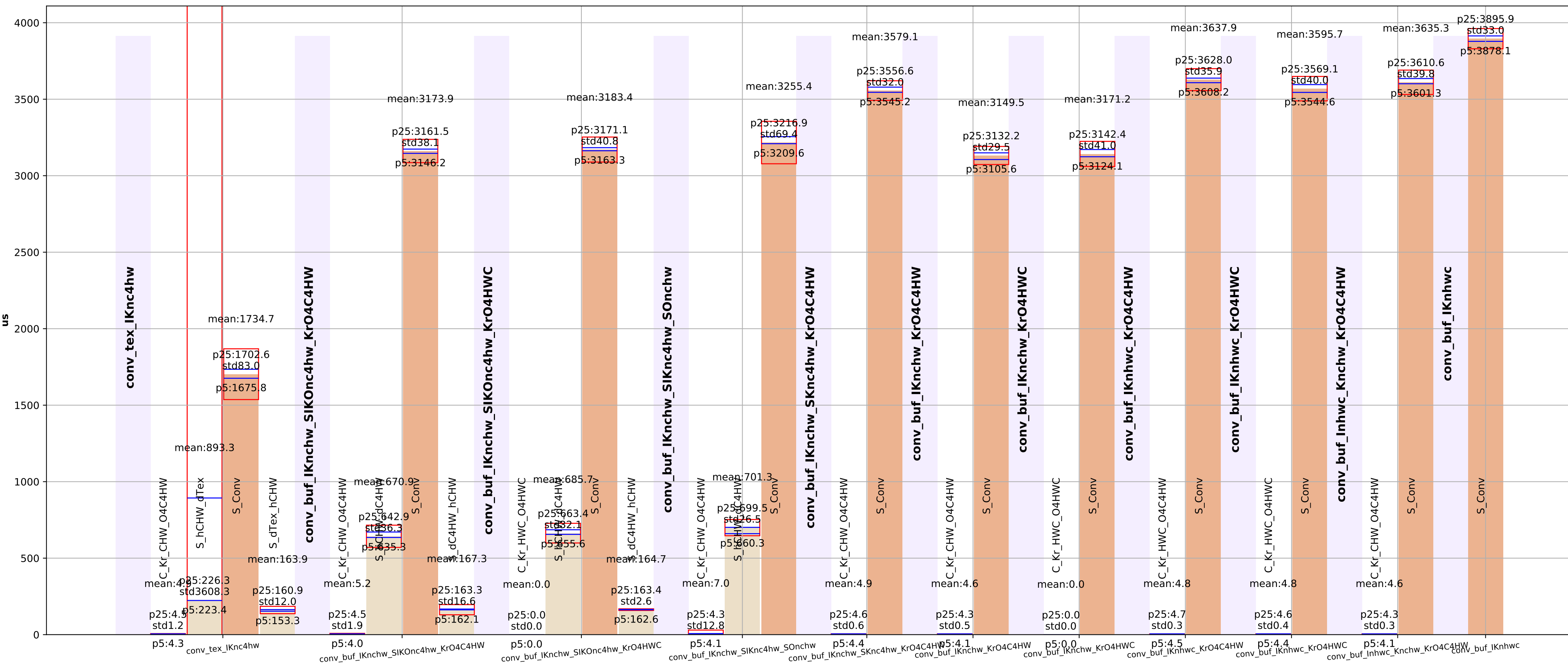




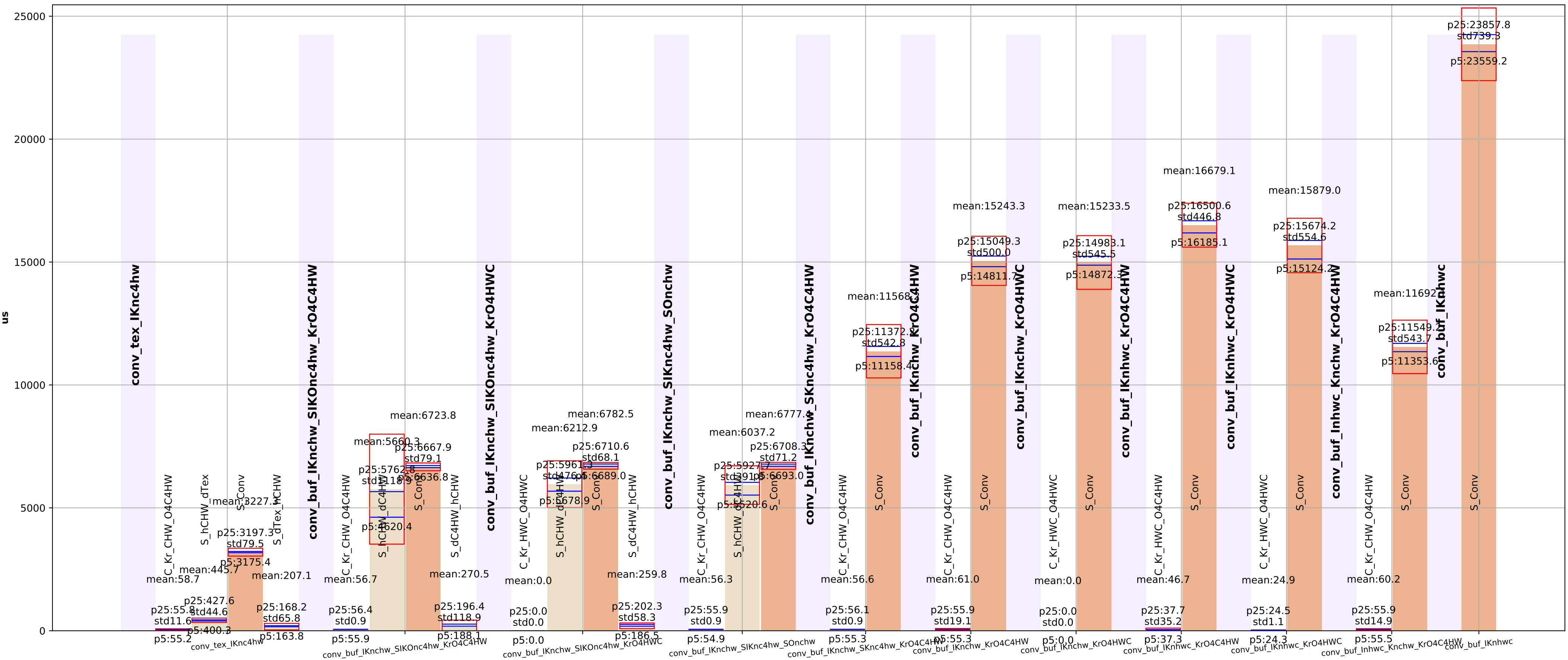
aconv tex 1Knc4hw		C Kr CHW O4C4HW	42.968	44.114	44.233	0.665
		S hCHW d1ex	272.917	275.000	287.707	17.476
		S Conv	2818.750	2831.407	2839.380	16.666
		S d1ex hCHW	1897.188	1913.489	1930.519	46.135
conv buf 1Knc4hw S1K0nc4hw KrO4C4HW		C Kr CHW O4C4HW	39.948	40.313	40.946	1.274
		S hCHW dC4HW	5383.907	5582.449	5683.815	974.026
		S Conv	6895.990	6926.302	6995.100	92.407
conv buf 1Knc4hw S1K0nc4hw KrO4HWC		S dC4HW hCHW	2304.323	2320.052	2343.267	50.089
		C Kr HWC O4HWC	0.000	0.000	0.000	0.000
		S hCHW dC4HW	5490.573	5573.595	5883.714	476.913
conv buf 1Knc4hw S1Knc4hw S0nc4hw		S Conv	6945.626	6953.282	7018.376	80.718
		S dC4HW hCHW	2300.782	2310.365	2328.922	27.492
		C Kr CHW O4C4HW	43.854	44.115	44.434	0.433
conv buf 1Knc4hw SKnc4hw KrO4C4HW		S hCHW dC4HW	4885.469	5433.073	5573.908	550.422
		S Conv	8104.845	8116.824	8172.864	81.142
		C Kr CHW O4C4HW	40.104	40.364	44.415	17.497
conv buf 1Knc4hw KrO4C4HW		S Conv	12283.282	12688.856	12767.975	342.253
		C Kr CHW O4C4HW	39.532	40.261	40.995	1.913
		S Conv	14650.887	15172.918	15348.460	589.230
conv buf 1Knc4hw KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000	0.000
		S Conv	15012.762	15128.647	15348.199	452.113
		C Kr HWC O4C4HW	28.281	28.645	28.774	0.365
conv buf 1Knhwc KrO4C4HW		S Conv	17575.835	17737.189	17928.823	509.633
		C Kr HWC O4HWC	23.490	24.271	24.295	0.418
		S Conv	16660.627	16873.387	17012.137	490.290
conv buf 1Knhwc Knc4hw KrO4C4HW		C Kr CHW O4C4HW	39.895	40.104	43.153	9.632
		S Conv	12000.469	12185.366	12355.551	432.063
		S Conv	20284.325	20480.648	20680.238	508.060
conv buf 1Knhwc						mean:20680.238



aconv N:1/H:112/W:112/KH:3/KW:3/py1/pr1/S:2/D:1/G:96/GCin:1/GCout:1/iterations:1/repeats:35 google Pixel 3 XL 29 [arm64-v8a, armeabi-v7a, armeabi] Qualcomm Adreno (TM) 630						std(us)
conv tex 1Knc4hw	C Kr CHW O4C4HW	4.322	4.480	4.925	1.191	
	S hCHW d1ex	223.385	226.302	893.275	3608.275	
	S Conv	1675.834	1702.604	1734.717	83.010	
	S d1ex hCHW	153.333	160.938	163.922	11.972	
conv buf 1Knc4hw SIKOnc4hw KrO4C4HW	C Kr CHW O4C4HW	4.011	4.531	5.167	1.927	
	S hCHW dC4HW	635.260	642.865	670.854	36.315	
	S Conv	3146.198	3161.459	3173.882	38.065	
	S dC4HW hCHW	162.083	163.281	167.330	16.618	
conv buf 1Knc4hw SIKOnc4hw KrO4HWC	C Kr HWC O4HWC	0.000	0.000	0.000	0.000	
	S hCHW dC4HW	655.573	663.438	685.655	32.109	
	S Conv	3163.334	3171.094	3183.358	40.826	
	S dC4HW hCHW	162.552	163.385	164.684	2.649	
conv buf 1Knc4hw SIKnc4hw SOnc4hw	C Kr CHW O4C4HW	4.114	4.271	7.007	12.846	
	S hCHW dC4HW	660.261	699.479	701.290	26.475	
	S Conv	3209.584	3216.876	3255.382	69.395	
	C Kr CHW O4C4HW	4.375	4.583	4.913	0.566	
conv buf 1Knc4hw SKnc4hw KrO4C4HW	S Conv	3545.156	3556.615	3579.099	32.020	
	C Kr CHW O4C4HW	4.063	4.322	4.597	0.506	
	S Conv	3105.626	3132.240	3149.453	29.505	
	C Kr HWC O4HWC	0.000	0.000	0.000	0.000	
conv buf 1Knc4hw KrO4HWC	S Conv	3124.115	3142.448	3171.233	41.013	
	C Kr HWC O4C4HW	4.480	4.687	4.781	0.255	
	S Conv	3608.230	3628.021	3637.900	35.902	
	C Kr HWC O4HWC	4.375	4.583	4.833	0.354	
conv buf 1Knc4hw Knc4hw KrO4C4HW	S Conv	3544.584	3569.063	3595.683	40.004	
	C Kr CHW O4C4HW	4.115	4.271	4.578	0.313	
	S Conv	3601.302	3610.625	3635.301	39.813	
	S Conv	3878.125	3895.938	3913.905	43.013	
conv buf 1Knhwc						mean: 2012

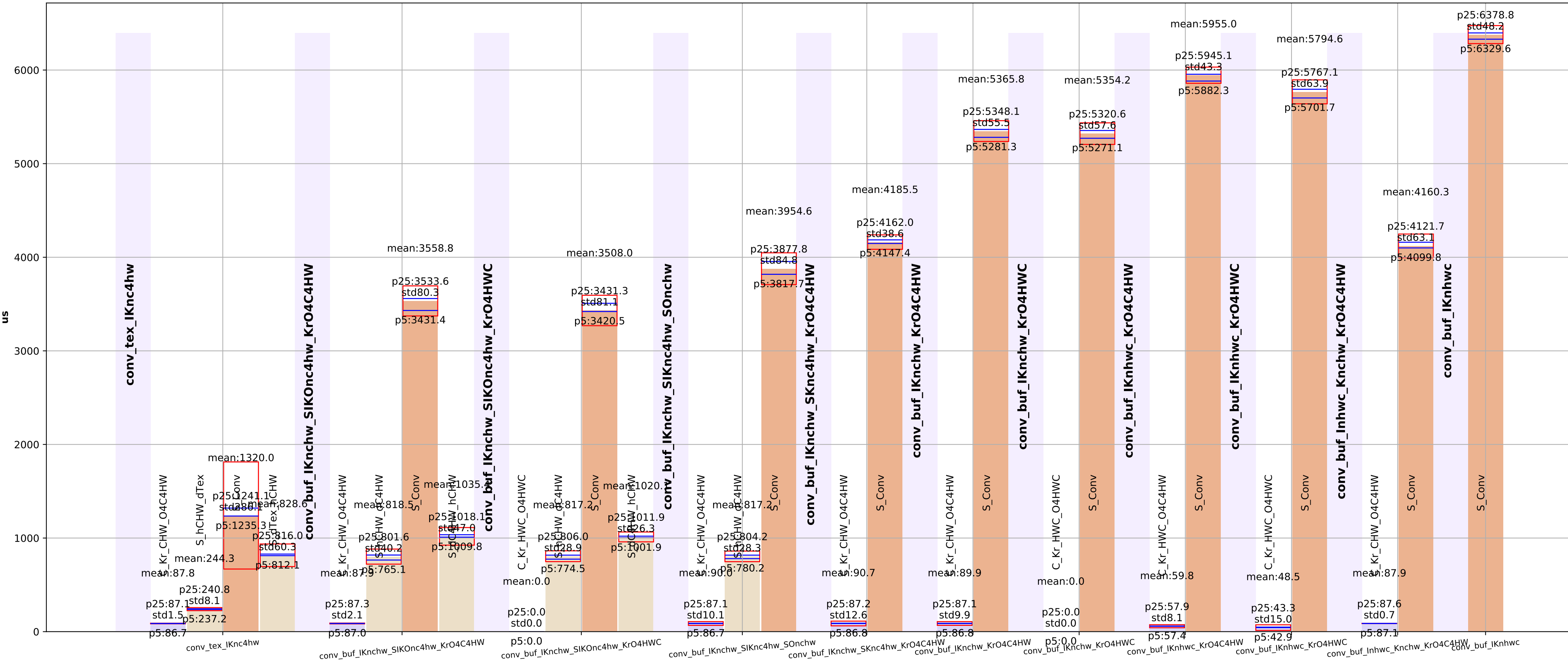


N:1/H:56/W:56/KH:1/KW:1/py:0/pa:0/s:1/D:1/G:1/GCin:96/GCout:24/iterations:1/repeats:35 google Pixel 3 Xb20s, armv8-a, armeabi-v7a, armeabi					Qualcomm Adreno (TM) 630				
				std(us)					
aconv	C Kr CHW O4C4HW	55.208	55.833	58.696	11.649				
conv tex lKnc4hw	S hCHW dTex	400.260	427.552	445.672	44.582				
	S Conv	3175.365	3197.344	3227.290	79.536				
	S dTex hCHW	163.802	168.177	207.134	65.846				
conv buf lKnc4hw SlKOnc4hw KrO4C4HW	C Kr CHW O4C4HW	55.886	56.354	56.717	0.883				
	S hCHW dC4HW	4620.417	5762.761	5660.330	1118.947				
	S Conv	6636.823	6667.917	6723.805	79.121				
	S dC4HW hCHW	188.073	196.406	270.476	118.860				
conv buf lKnc4hw SlKOnc4hw KrO4HWC	C Kr HWC O4HWC	0.000	0.000	0.000	0.000				
	S hCHW dC4HW	5678.907	5961.251	6212.949	476.400				
	S Conv	6689.011	6710.625	6782.506	68.146				
	S dC4HW hCHW	186.511	202.292	259.816	58.303				
conv buf lKnc4hw SlKnc4hw SOnc4hw	C Kr CHW O4C4HW	54.948	55.938	56.318	0.884				
	S hCHW dC4HW	5520.625	5927.709	6037.174	391.846				
	S Conv	6693.021	6708.334	6777.410	71.245				
conv buf lKnc4hw SKnc4hw KrO4C4HW	C Kr CHW O4C4HW	55.313	56.094	56.611	0.855				
	S Conv	11158.438	11372.241	11568.248	542.830				
conv buf lKnc4hw KrO4C4HW	C Kr CHW O4C4HW	55.260	55.937	61.031	19.090				
	S Conv	14811.720	15049.272	15243.328	500.041				
conv buf lKnc4hw KrO4HWC	C Kr HWC O4HWC	0.000	0.000	0.000	0.000				
	S Conv	14872.346	14983.074	15233.463	545.521				
conv buf lKnhwc KrO4C4HW	C Kr HWC O4C4HW	37.344	37.708	46.667	35.228				
	S Conv	16185.054	16500.575	16679.121	446.778				
conv buf lKnhwc KrO4HWC	C Kr HWC O4HWC	24.271	24.479	24.920	1.146				
	S Conv	15124.168	15674.168	15878.982	554.566				
conv buf lnhwc Knc4hw KrO4C4HW	C Kr CHW O4C4HW	55.469	55.937	60.240	14.929				
	S Conv	11353.595	11549.168	11692.117	543.708				
conv buf lKnhwc	S Conv	23559.169	23857.815	24251.240	239.258				
					mean:24251.2				

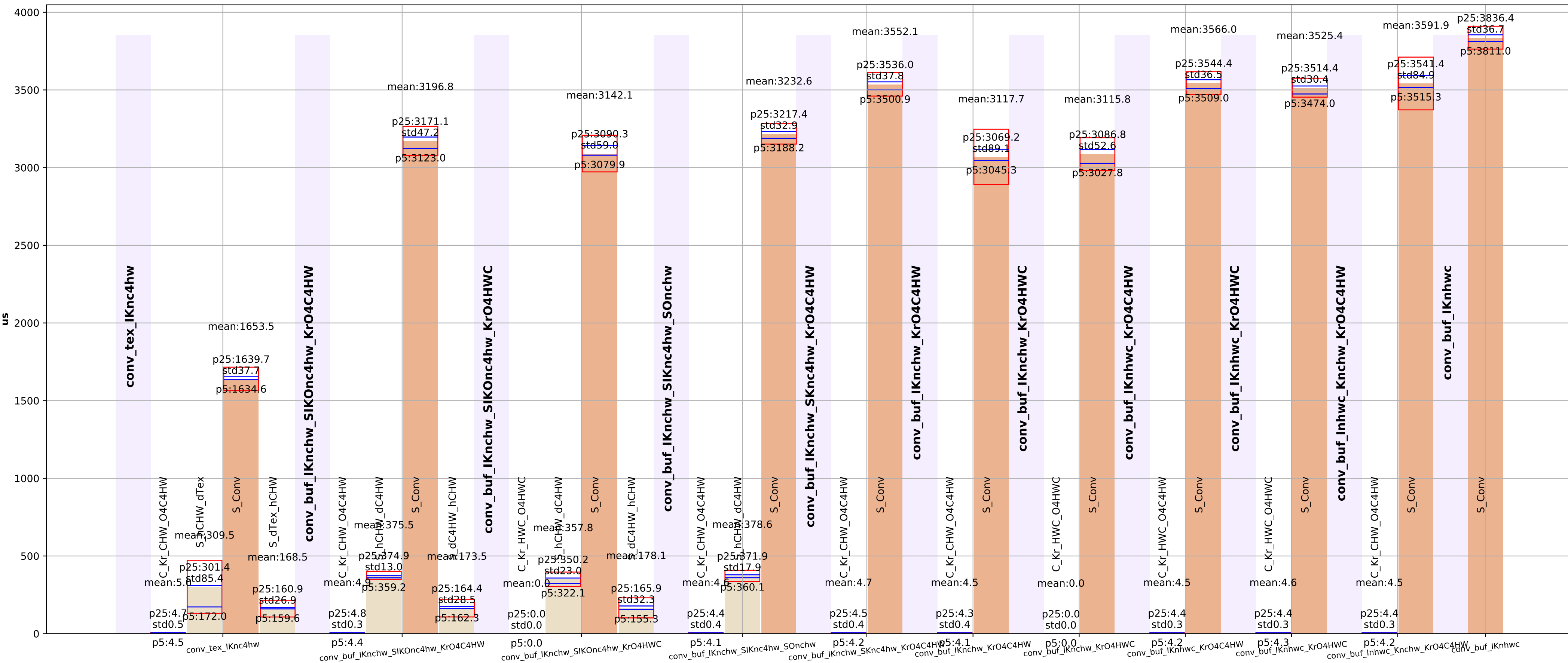




N:1/H:56/W:56/KH:1/KW:1/py:0/px:0/ps:1/D:1/G:1/GCin:24/GCout:144/iterations:1/repeats:35 google Pixel 3 XL 29 [arm64-v8a, armeabi-v7a, armeabi] Qualcomm Adreno (TM) 630					std(us)	
aconv	conv tex IKnc4hw	C Kr CHW O4C4HW	86.667	87.136	87.788	1.513
		S hCHW dTex	237.187	240.834	244.297	8.081
		S Conv	1235.261	1241.146	1319.952	286.088
conv buf IKnc4hw SIKOnc4hw KrO4C4HW		S dTex hCHW	812.084	815.990	828.648	60.305
		C Kr CHW O4C4HW	87.031	87.343	87.950	2.077
		S hCHW dC4HW	765.052	801.615	818.504	40.209
	S Conv	3431.354	3533.594	3558.761	80.258	
	S dC4HW hCHW	1009.792	1018.125	1035.438	46.984	
	conv buf IKnc4hw SIKOnc4hw KrO4HWC	C Kr HWC O4HWC	0.000	0.000	0.000	0.000
S hCHW dC4HW		774.479	806.041	817.196	28.862	
S Conv		3420.470	3431.302	3508.023	81.142	
	S dC4HW hCHW	1001.927	1011.927	1020.128	26.298	
	conv buf IKnc4hw SIKnc4hw SOnc4hw	C Kr CHW O4C4HW	86.718	87.083	90.000	10.086
		S hCHW dC4HW	780.156	804.167	817.194	28.273
S Conv		3817.656	3877.760	3954.582	84.793	
conv buf IKnc4hw SKnc4hw KrO4C4HW	C Kr CHW O4C4HW	86.771	87.187	90.706	12.581	
	S Conv	4147.449	4161.980	4185.518	38.578	
	C Kr CHW O4C4HW	86.823	87.135	89.898	9.930	
conv buf IKnc4hw KrO4C4HW	S Conv	5281.303	5348.126	5365.804	55.481	
	C Kr HWC O4HWC	0.000	0.000	0.000	0.000	
	S Conv	5271.094	5320.573	5354.179	57.560	
conv buf IKnhwc KrO4C4HW	C Kr HWC O4C4HW	57.396	57.916	59.802	8.128	
	S Conv	5882.293	5945.053	5954.983	43.289	
	C Kr HWC O4HWC	42.864	43.333	48.498	14.957	
	S Conv	5701.719	5767.084	5794.638	63.928	
	conv buf Inhwc Knchw KrO4C4HW	C Kr CHW O4C4HW	87.136	87.604	87.878	0.687
		S Conv	4099.844	4121.667	4160.320	63.111
S Conv		6329.584	6378.751	6396.733	48.200	
conv buf IKnhwc					mean:6396.7	

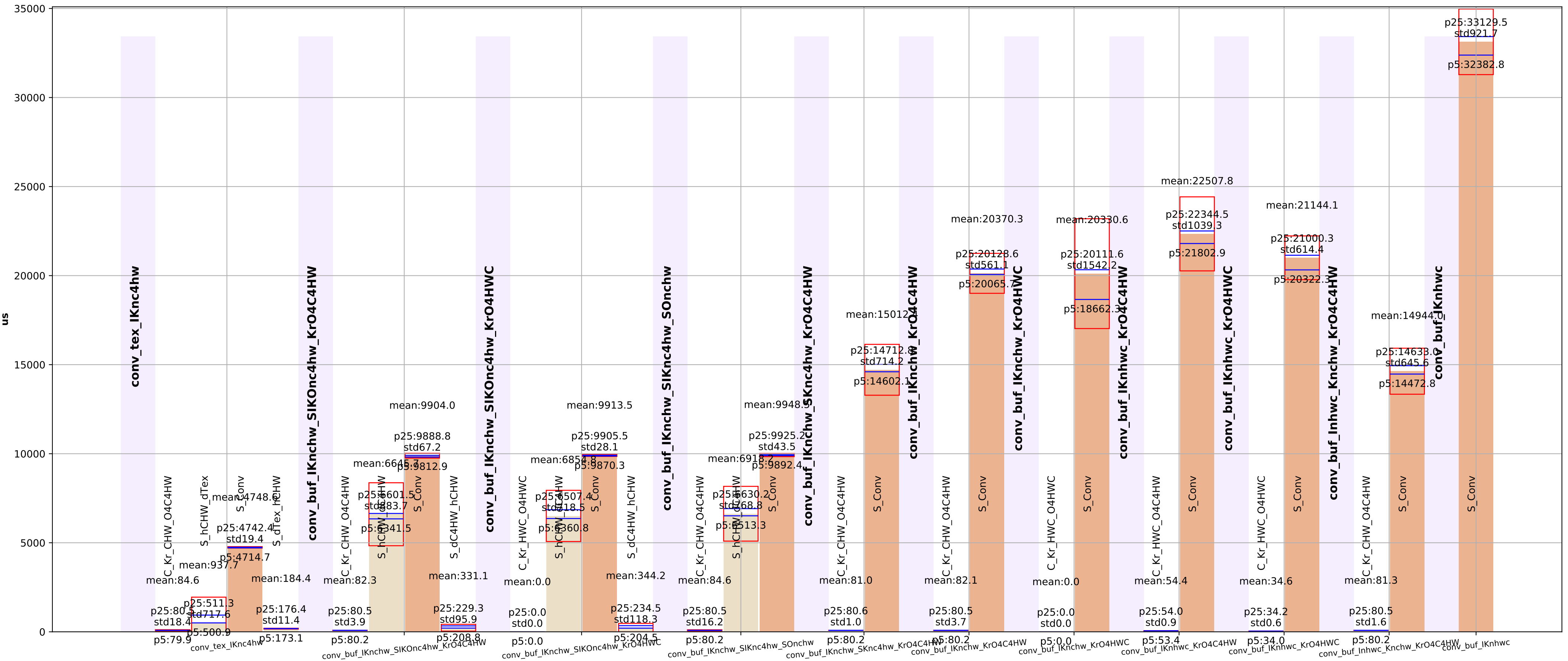


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aconv	conv tex IKnc4hw	C Kr CHW O4C4HW	4.531	4.688	4.996		0.538
		S hCHW dTex	172.031	301.406	309.498		85.386
		S Conv	1634.636	1639.688	1653.500		37.718
		S dTex hCHW	159.636	160.938	168.512		26.889
conv buf IKnchw SIKOnc4hw KrO4C4HW		C Kr CHW O4C4HW	4.375	4.792	4.922		0.319
		S hCHW dC4HW	359.166	374.896	375.484		12.959
		S Conv	3123.021	3171.146	3196.849		47.170
		S dC4HW hCHW	162.291	164.375	173.526		28.465
conv buf IKnchw SIKOnc4hw KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000		0.000
		S hCHW dC4HW	322.135	350.156	357.774		23.008
		S Conv	3079.948	3090.261	3142.104		58.980
		S dC4HW hCHW	155.312	165.938	178.113		32.283
conv buf IKnchw SIKnc4hw SOnc4hw		C Kr CHW O4C4HW	4.115	4.375	4.606		0.371
		S hCHW dC4HW	360.104	371.875	378.623		17.850
		S Conv	3188.177	3217.448	3232.580		32.937
		C Kr CHW O4C4HW	4.218	4.531	4.713		0.383
conv buf IKnchw SKnc4hw KrO4C4HW		S Conv	3500.885	3535.990	3552.089		37.818
		C Kr CHW O4C4HW	4.115	4.271	4.530		0.358
		S Conv	3045.261	3069.167	3117.698		89.052
		C Kr HWC O4HWC	0.000	0.000	0.000		0.000
conv buf IKnchw KrO4HWC		S Conv	3027.813	3086.823	3115.755		52.628
		C Kr HWC O4C4HW	4.219	4.375	4.547		0.277
		S Conv	3509.011	3544.428	3565.967		36.498
		C Kr HWC O4HWC	4.323	4.375	4.617		0.261
conv buf IKnhwc KrO4C4HW		S Conv	3474.010	3514.375	3525.360		30.435
		C Kr CHW O4C4HW	4.167	4.375	4.514		0.304
		S Conv	3515.313	3541.355	3591.905		84.854
		S Conv	3811.042	3836.407	3854.962		86.698
conv buf IKnhwc							mean:3855.6

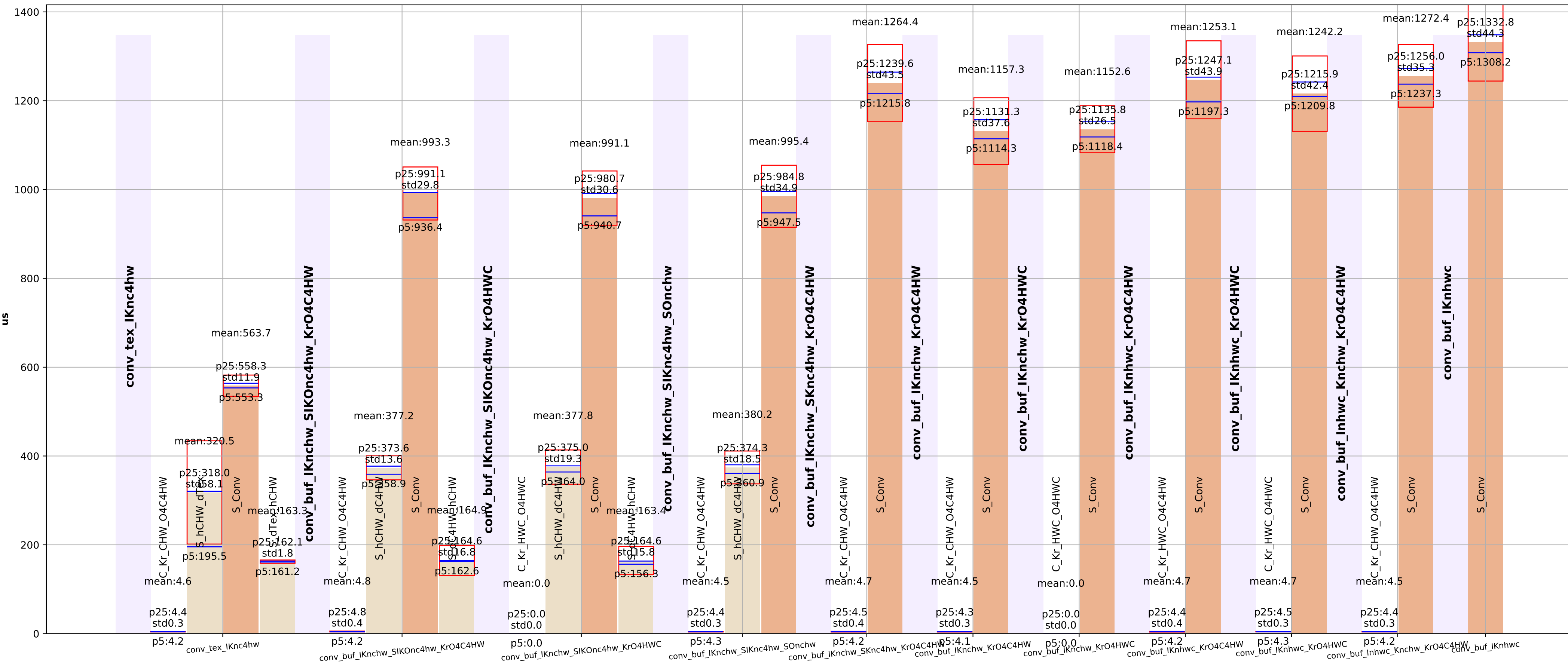




N:1/H:56/W:56/KH:1/KW:1/py:0/ps:0/s:1/D:1/GCin:144/GCout:24/iterations:1/repeats:35					google Pixel 3 XL 29 farm64-v8a, armeabi-v7a, armeabi					Qualcomm Adreno (TM) 630				
aconv	conv_tex_1Knc4hw	C_Kr_CHW_O4C4HW	79.948	80.469	84.608	std(us)	18.414							
		S_hCHW_dTex	500.886	511.302	937.747		717.614							
		S_Conv	4714.687	4742.396	4748.596		19.422							
		S_dTex_hCHW	173.125	176.406	184.401		11.427							
conv_buf_1Knc4hw_S1K0nc4hw_KrO4C4HW		C_Kr_CHW_O4C4HW	80.156	80.469	82.269		3.945							
		S_hCHW_dC4HW	6341.459	6601.511	6645.723		883.707							
		S_Conv	9812.866	9888.803	9903.982		67.190							
		S_dC4HW_hCHW	208.802	229.271	331.109		95.947							
conv_buf_1Knc4hw_S1K0nc4hw_KrO4HWC		C_Kr_HWC_O4HWC	0.000	0.000	0.000		0.000							
		S_hCHW_dC4HW	6360.834	6507.448	6854.775		718.521							
		S_Conv	9870.261	9905.521	9913.458		28.113							
		S_dC4HW_hCHW	204.531	234.479	344.210		118.346							
conv_buf_1Knc4hw_S1Knc4hw_S0nc4hw		C_Kr_CHW_O4C4HW	80.157	80.521	84.620		16.182							
		S_hCHW_dC4HW	6513.282	6630.209	6918.157		768.810							
		S_Conv	9892.397	9925.158	9948.466		43.522							
conv_buf_1Knc4hw_S1Knc4hw_KrO4C4HW		C_Kr_CHW_O4C4HW	80.156	80.572	80.955		0.965							
		S_Conv	14602.137	14712.814	15012.350		714.187							
conv_buf_1Knc4hw_KrO4C4HW		C_Kr_CHW_O4C4HW	80.156	80.521	82.111		3.733							
		S_Conv	20065.732	20128.647	20370.339		561.131							
conv_buf_1Knc4hw_KrO4HWC		C_Kr_HWC_O4HWC	0.000	0.000	0.000		0.000							
		S_Conv	18662.346	20111.564	20330.641		1542.216							
conv_buf_1Knhwc_KrO4C4HW		C_Kr_HWC_O4C4HW	53.438	53.958	54.359		0.946							
		S_Conv	21802.867	22344.534	22507.799		1039.322							
conv_buf_1Knhwc_KrO4HWC		C_Kr_HWC_O4HWC	33.958	34.219	34.608		0.644							
		S_Conv	20322.294	21000.315	21144.085		614.428							
conv_buf_1nhwc_Knc4hw_KrO4C4HW		C_Kr_CHW_O4C4HW	80.209	80.468	81.292		1.569							
		S_Conv	14472.813	14632.971	14943.953		645.641							
conv_buf_1Knhwc		S_Conv	32382.816	33129.482	33423.6		941.734							
							mean:33423.6							



N:1/H:56/W:56/KH:3/KW:3/py:1/pn:1/S:2/D:1/G:144/Cin:1/GCout:1/iterations:35 google Pixel 3 XL 29 [arm64-v8a, armeabi-v7a, armeabi] Qualcomm Adreno (TM) 630					std(us)	
aconv	conv tex IKnc4hw	C Kr CHW_O4C4HW	4.218	4.427	4.594	0.282
		S hCHW dTex	195.521	317.969	320.519	58.141
		S Conv	553.334	558.334	563.736	11.950
		S dTex hCHW	161.198	162.083	163.278	1.843
conv buf IKnc4hw SIKOnc4hw KrO4C4HW		C Kr CHW_O4C4HW	4.167	4.791	4.840	0.441
		S hCHW dC4HW	358.906	373.646	377.163	13.646
		S Conv	936.407	991.146	993.306	29.848
		S dC4HW hCHW	162.604	164.635	164.866	16.837
conv buf IKnc4hw SIKOnc4hw KrO4HWC		C Kr HWC_O4HWC	0.000	0.000	0.000	0.000
		S hCHW dC4HW	364.010	375.000	377.790	19.308
		S Conv	940.677	980.729	991.096	30.559
		S dC4HW hCHW	156.302	164.584	163.422	15.832
conv buf IKnc4hw SIKnc4hw SOnc4hw		C Kr CHW_O4C4HW	4.271	4.375	4.535	0.306
		S hCHW dC4HW	360.937	374.271	380.214	18.490
		S Conv	947.500	984.843	995.413	34.899
conv buf IKnc4hw SKnc4hw KrO4C4HW		C Kr CHW_O4C4HW	4.166	4.479	4.686	0.400
		S Conv	1215.833	1239.583	1264.365	43.459
conv buf IKnc4hw KrO4C4HW		C Kr CHW_O4C4HW	4.115	4.323	4.543	0.318
		S Conv	1114.323	1131.302	1157.250	37.638
conv buf IKnc4hw KrO4HWC		C Kr HWC_O4HWC	0.000	0.000	0.000	0.000
		S Conv	1118.437	1135.782	1152.582	26.498
conv buf IKnhwc KrO4C4HW		C Kr HWC_O4C4HW	4.166	4.427	4.667	0.414
		S Conv	1197.344	1247.136	1253.120	43.921
conv buf IKnhwc KrO4HWC		C Kr HWC_O4HWC	4.323	4.531	4.689	0.265
		S Conv	1209.844	1215.885	1242.203	42.429
conv buf Inhwc Knchw KrO4C4HW		C Kr CHW_O4C4HW	4.218	4.375	4.540	0.258
		S Conv	1237.291	1256.042	1272.415	35.263
conv buf IKnhwc		S Conv	1308.177	1332.761	1348.469	44.256
					mean:1348.5	

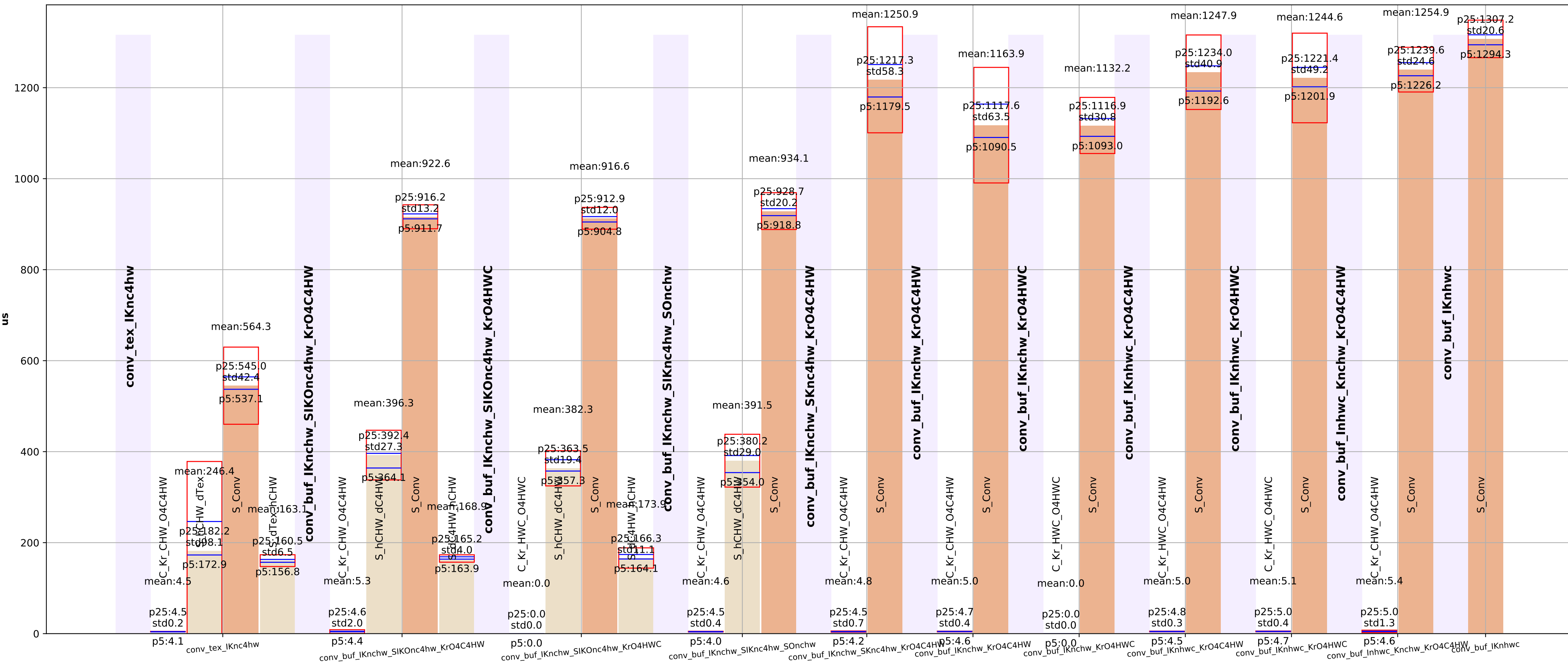




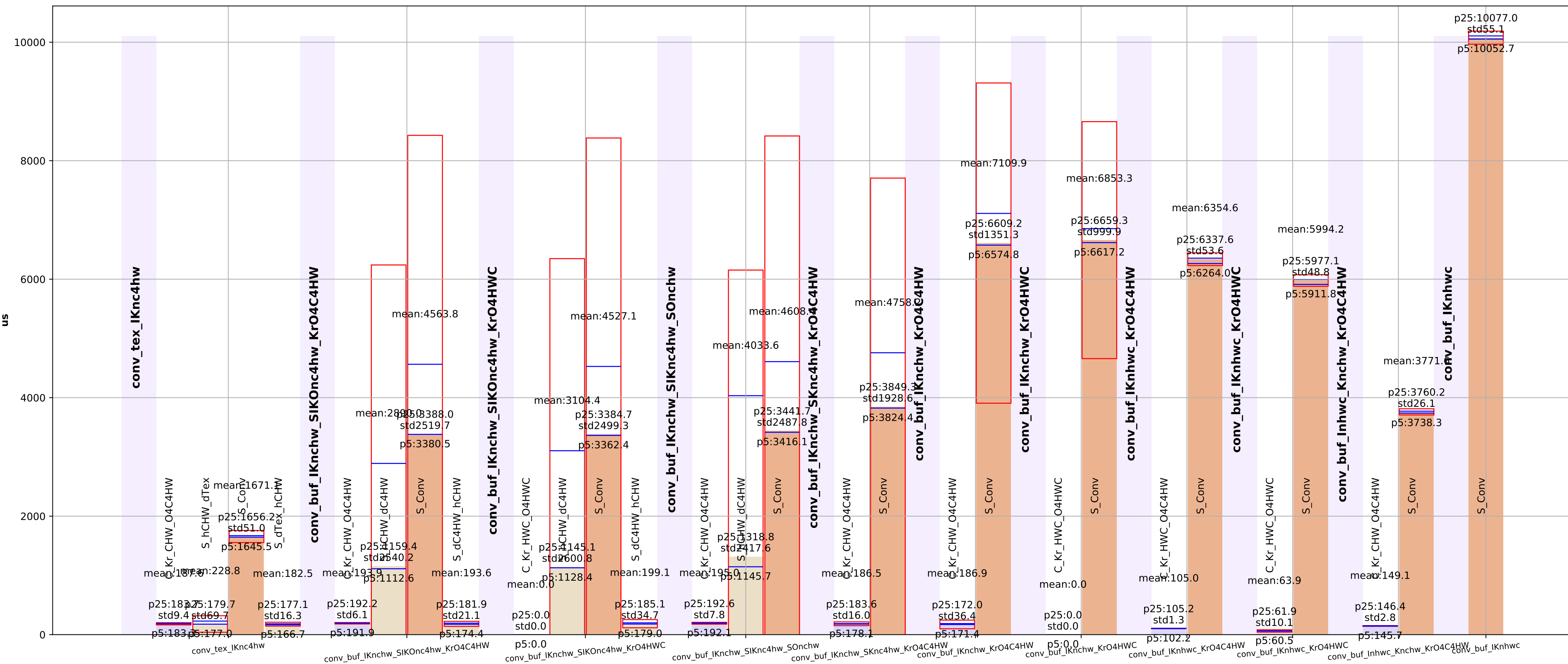




N:1/H:28/W:28/KH:3/KW:3/py:1/pad:5/S:1/D:1/G:192/GCin:1/GCout:1/iterations:1/repeats:35 google Pixel 3 XL 29 [arm64-v8a, armeabi-v7a, armeabi] Qualcomm Adreno (TM) 630					std(us)	
aconv	conv tex IKnc4hw	C Kr CHW O4C4HW	4.115	4.479	4.537	0.238
		S hCHW dTex	172.916	182.188	246.432	98.106
		S Conv	537.084	545.000	564.340	42.402
		S dTex hCHW	156.823	160.469	163.106	6.480
conv buf IKnchw SIKOnc4hw KrO4C4HW		C Kr CHW O4C4HW	4.375	4.636	5.328	1.997
		S hCHW dC4HW	364.062	392.448	396.264	27.296
		S Conv	911.719	916.198	922.564	13.155
		S dC4HW hCHW	163.854	165.156	168.910	4.033
conv buf IKnchw SIKOnc4hw KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000	0.000
		S hCHW dC4HW	357.344	363.489	382.276	19.375
		S Conv	904.792	912.917	916.629	11.979
		S dC4HW hCHW	164.062	166.302	173.944	11.122
conv buf IKnchw SIKnc4hw SOnc4hw		C Kr CHW O4C4HW	4.010	4.479	4.601	0.382
		S hCHW dC4HW	353.958	380.156	391.472	29.034
		S Conv	918.750	928.698	934.089	20.236
conv buf IKnchw SKnc4hw KrO4C4HW		C Kr CHW O4C4HW	4.219	4.532	4.830	0.661
		S Conv	1179.531	1217.344	1250.887	58.262
conv buf IKnchw KrO4C4HW		C Kr CHW O4C4HW	4.583	4.739	4.979	0.370
		S Conv	1090.521	1117.605	1163.938	63.498
conv buf IKnchw KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000	0.000
		S Conv	1093.021	1116.927	1132.165	30.840
conv buf IKnhwc KrO4C4HW		C Kr HWC O4C4HW	4.531	4.844	5.000	0.336
		S Conv	1192.604	1233.959	1247.903	40.950
conv buf IKnhwc KrO4HWC		C Kr HWC O4HWC	4.739	5.000	5.141	0.353
		S Conv	1201.928	1221.354	1244.587	49.235
conv buf Inhwc Knchw KrO4C4HW		C Kr CHW O4C4HW	4.635	5.000	5.389	1.308
		S Conv	1226.198	1239.636	1254.933	24.565
		S Conv	1294.270	1307.188	1316.233	40.610
	conv buf IKnhwc					mean:1316.2



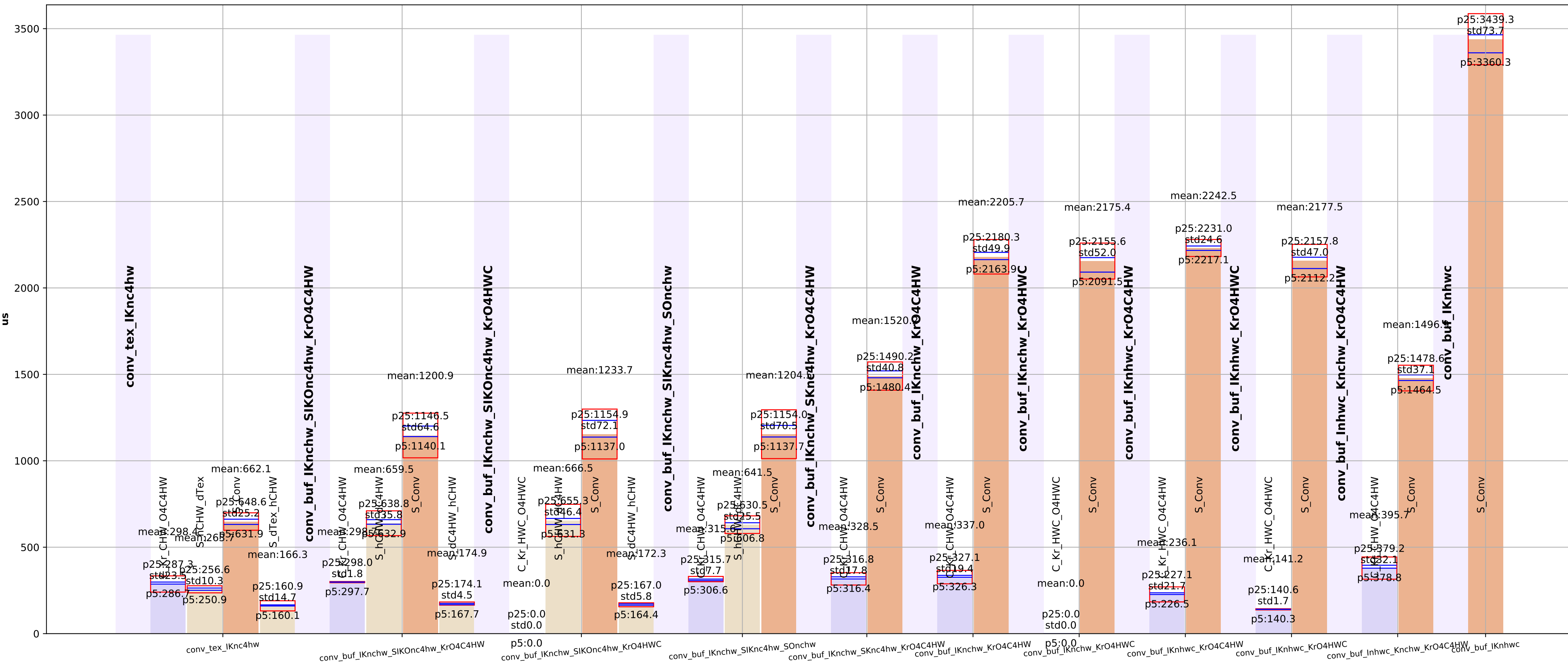
aconv		bconv		cconv		dconv		econv		fconv		gconv		hconv		iconv		jconv		kconv		lconv		mconv		nconv		oconv		pconv		qconv		rconv		sconv		tconv		uconv		vconv		wconv		xconv		yconv		zconv		aaconv		abconv		acconv		adconv		aeconv		afconv		agconv		ahconv		aiconv		ajconv		akconv		alconv		amconv		anconv		aoconv		apconv		aqconv		arconv		asconv		atconv		auconv		avconv		awconv		axconv		ayconv		azconv		baconv		bbconv		bcconv		bdconv		beconv		bfconv		bgconv		bhconv		biconv		bjconv		bkconv		blconv		bmconv		bnconv		boconv		bpconv		bqconv		brconv		bsconv		btconv		buconv		bvconv		bwconv		bxconv		byconv		bzconv		caconv		cbconv		ccconv		cdconv		ceconv		cfconv		cgconv		chconv		ciconv		cjconv		ckconv		clconv		cmconv		cnconv		coconv		cpconv		cqconv		crconv		csconv		ctconv		cuconv		cvconv		cwconv		cxconv		cyconv		czconv		daconv		dbconv		dcconv		ddconv		deconv		dfconv		dgconv		dhconv		diconv		djconv		dkconv		dlconv		dmconv		dnconv		doconv		dpconv		dqconv		drconv		dsconv		dtconv		duconv		dvconv		dwconv		dxconv		dyconv		dzconv		eaconv		ebconv		ecconv		edconv		eeconv		efconv		egconv		ehconv		eiconv		ejconv		ekconv		elconv		emconv		enconv		eoconv		epconv		eqconv		erconv		esconv		etconv		euconv		evconv		ewconv		exconv		eyconv		ezconv		faconv		fbconv		fcconv		fdconv		feconv		ffconv		fgconv		fhconv		ficonv		fjconv		fkconv		flconv		fmconv		fnconv		foconv		fpconv		fqconv		frconv		fsconv		ftconv		fuconv		fvconv		fwconv		fxconv		fyconv		fzconv		gaconv		gbconv		gcconv		gdconv		geconv		gfconv		ggconv		ghconv		giconv		gjconv		gkconv		glconv		gmconv		gnconv		goconv		gpconv		gqconv		grconv		gsconv		gtconv		guconv		gvconv		gwconv		gxconv		gyconv		gzconv		haconv		hbconv		hcconv		hdconv		heconv		hfconv		hgconv		hiconv		hjconv		hkconv		hlconv		hmconv		hnconv		hoconv		hpconv		hqconv		hrconv		hsconv		htconv		huconv		hvconv		hwconv		hxconv		hyconv		hzconv		iaconv		ibconv		icconv		idconv		ieconv		ifconv		igconv		ihconv		iiconv		ijconv		ikconv		ilconv		imconv		inconv		ioconv		ipconv		iqconv		irconv		isconv		itconv		iuconv		ivconv		iwconv		ixconv		iyconv		izconv		jaconv		jbconv		jcconv		jdconv		jeconv		jfconv		jgconv		jhconv		jiconv		jjconv		jkconv		jlconv		jmconv		jnconv		joconv		jpconv		jqconv		jrconv		jsconv		jtconv		juconv		jvconv		jwconv		jxconv		jyconv		jzconv		kaconv		kbconv		kcconv		kdconv		keconv		kfconv		kgconv		khconv		kiconv		kjconv		kkconv		klconv		kmconv		knconv		koconv		kpconv		kqconv		krconv		ksconv		ktconv		kuconv		kvconv		kwconv		kxconv		kyconv		kzconv		laconv		lbconv		lcconv		ldconv		leconv		lfconv		lgconv		lhconv		liconv		ljconv		lkconv		llconv		lmconv		lnconv		loconv		lpconv		lqconv		lrconv		lsconv		ltconv		luconv		lvconv		lwconv		lxconv		lyconv		lzconv		maconv		mbconv		mcconv		mdconv		meconv		mfconv		mgconv		mhconv		miconv		mjconv		mkconv		mlconv		mmconv		mnconv		moconv		mpconv		mqconv		mrconv		msconv		mtconv		muconv		mvconv		mwconv		mxconv		myconv		mzconv		naconv		nbconv		ncconv		ndconv		neconv		nfconv		ngconv		nhconv		niconv		njconv		nkconv		nlconv		nmconv		nnconv		noconv		npconv		nqconv		nrconv		nsconv		ntconv		nuconv		nvconv		nwconv		nxconv		nyconv		nzconv		oaconv		obconv		occonv		odconv		oeconv		ofconv		ogconv		ohconv		oiconv		ojconv		okconv		olconv		omconv		onconv		ooconv		opconv		oqconv		orconv		osconv		otconv		ouconv		ovconv		owconv		oxconv		oyconv		ozconv		paconv		pbconv		pcconv		pdconv		peconv		pfconv		pgconv		phconv		piconv		pjconv		pkconv		plconv		pmconv		pnconv		poconv		ppconv		pqconv		prconv		psconv		ptconv		puconv		pvconv		pwconv		pxconv		pyconv		pzconv		qaconv		qbconv		qcconv		qdconv		qeconv		qfconv		qgconv		qhconv		qiconv		qjconv		qkconv		qlconv		qmconv		qnconv		qoconv		qpconv		qqconv		qrconv		qsconv		qtconv		quconv		qvconv		qwconv		qxconv		qyconv		qzconv		raconv		rbconv		rcconv		rdconv		reconv		rfconv		rgconv		rhconv		riconv		rjconv		rkconv		rlconv		rmconv		rnconv		roconv		rpconv		rqconv		rrconv		rsconv		rtconv		ruconv		rvconv		rwconv		rxconv		ryconv		rzconv		saconv		sbconv		scconv		sdconv		seconv		sfconv		sgconv		shconv		siconv		sjconv		skconv		slconv		smconv		snconv		soconv		spconv		sqconv		srconv		ssconv		stconv		suconv		svconv		swconv		sxconv		syconv		szconv		taconv		tbconv		tcconv		tdconv		teconv		tfconv		tgconv		thconv		ticonv		tjconv		tkconv		tlconv		tmconv		tnconv		toconv		tpconv		tqconv		trconv		tsconv		ttconv		tuconv		tvconv		twconv		txconv		tyconv		tzconv		uaconv		ubconv		ucconv		udconv		ueconv		ufconv		ugconv		uhconv		uiconv		ujconv		ukconv		ulconv		umconv		unconv		uoconv		upconv		uqconv		urconv		usconv		utconv		uvconv		uwconv		uxconv		uyconv		uzconv		vaconv		vbconv		vcconv		vdconv		veconv		vfconv		vgconv		vhconv		viconv		vjconv		vkconv		vlconv		vmconv		vnconv		voconv		vpconv		vqconv		vrconv		vsconv		vtconv		vuconv		vvconv		vwconv		vxconv		vyconv		vzconv		waconv		wbconv		wcconv		wdconv		weconv		wfconv		wgconv		whconv		wiconv		wjconv		wkconv		wlconv		wmconv		wnconv		woconv		wpconv		wqconv		wrconv		wsconv		wtconv		wvconv		wwconv		wxconv		wyconv		wzconv		xaconv		xbconv		xcconv		xdconv		xeconv		xfconv		xgconv		xhconv		xiconv		xjconv		xkconv		xlconv		xmconv		xnconv		xoconv		xpconv		xqconv		xrconv		xsconv		xtconv		xuconv		xvconv		xwconv		xxconv		xyconv		xzconv		yaconv		ybconv		ycconv		ydconv		yeconv		yfconv		ygconv		yhconv		yiconv		yjconv		ykconv		ylconv		ymconv		ynconv		yoconv		ypconv		yqconv		yrconv		ysconv		ytconv		yuconv		yvconv		ywconv		yxconv		yyconv		yzconv		zaconv		zbconv		zcconv		zdconv		zeconv		zfconv		zgconv		zhconv		ziconv		zjconv		zkconv		zlconv		zmconv		znconv		zoconv		zpconv		zqconv		zrconv		zsconv		ztconv		zuconv		zvconv		zwconv		zxconv		zyconv		zzconv		std(us)	
conv tex 1Knc4hw		C Kr CHW O4C4HW		183.333		183.698		187.568		9.385																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S hCHW d1ex		177.031		179.739		228.828		69.680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		1645.521		1656.250		1671.115		50.956																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S d1ex hCHW		166.718		177.083		182.524		16.314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knc4hw SIKOnc4hw KrO4C4HW		C Kr CHW O4C4HW		191.875		192.188		193.889		6.063																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S hCHW dC4HW		1112.604		1159.427		2889.990		2540.248																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		3380.469		3388.021		4563.785		2519.696																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S dC4HW hCHW		174.427		181.875		193.561		21.130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knc4hw SIKOnc4hw KrO4HWC		C Kr HWC O4HWC		0.000		0.000		0.000		0.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S hCHW dC4HW		1128.385		1145.052		3104.450		2600.803																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		3362.397		3384.740		4527.113		2499.307																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S dC4HW hCHW		179.010		185.104		199.089		34.746																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knc4hw SIKnc4hw SOnc4hw		C Kr CHW O4C4HW		192.084		192.604		195.019		7.812																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S hCHW dC4HW		1145.729		1318.750		4033.627		2417.610																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		3416.147		3441.667		4608.377		2487.784																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knc4hw SKnc4hw KrO4C4HW		C Kr CHW O4C4HW		178.125		183.594		186.491		15.981																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		3824.375		3849.271		4758.226		1928.551																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knc4hw KrO4C4HW		C Kr CHW O4C4HW		171.407		171.979		186.880		36.421																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		6574.792		6609.220		7109.872		1351.254																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knc4hw KrO4HWC		C Kr HWC O4HWC		0.000		0.000		0.000		0.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		6617.189		6659.324		6853.251		999.948																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knhwc KrO4C4HW		C Kr HWC O4C4HW		102.240		105.156		104.972		1.299																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		6264.011		6237.605		6354.584		53.631																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knhwc KrO4HWC		C Kr HWC O4HWC		60.469		61.875		63.898		10.087																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		5911.771		5977.084		5994.179		48.762																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1nhwc Knc4hw KrO4C4HW		C Kr CHW O4C4HW		145.729		146.407		149.092		2.782																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		S Conv		3738.282		3760.208		3771.646		26.117																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
conv buf 1Knhwc		S Conv		10052.657		10077.033		10106.263		52.133																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
										mean:10106.263																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													







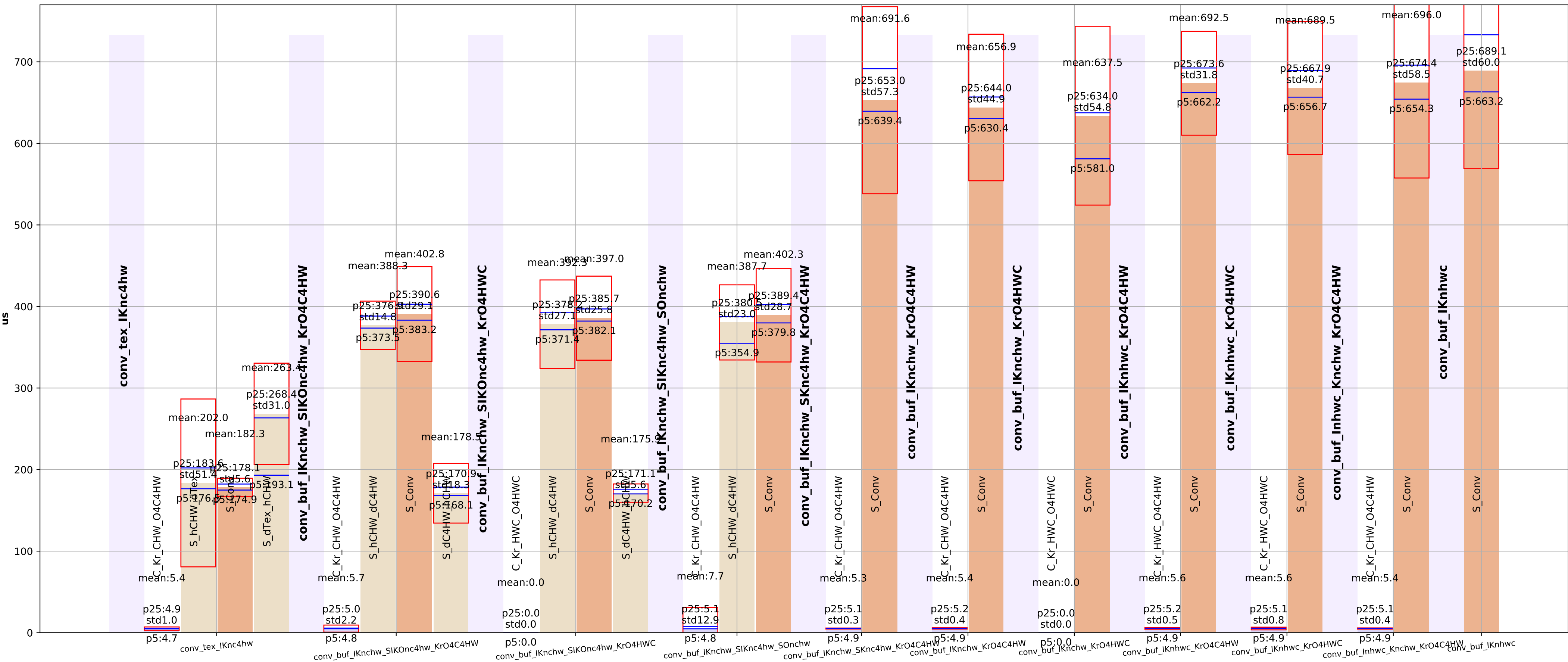
N:1/H:14/W:14/KH:1/KW:1/py:0/px:0/ps:1/D:1/G:1/Cin:192/GCout:64/iterations:1/repeats:35 google Pixel 3 XL (2018) [arm64-v8a, armeabi-v7a, armeabi]					Qualcomm Adreno (TM) 630				
conv	tex	IKnc4hw	CHW_O4C4HW	S_hCHW_dTex	mean	std(us)	CHW_O4C4HW	S_hCHW_dTex	mean
conv_buf_IKnc4hw_SIKOnc4hw_KrO4C4HW			C Kr CHW O4C4HW	S hCHW dTex	286.718	287.344	C Kr CHW O4C4HW	S hCHW dTex	298.394
			S hCHW dTex	S Conv	250.937	256.615	S hCHW dTex	S Conv	263.695
			S dTex hCHW	S Conv	631.875	648.646	S dTex hCHW	S Conv	662.118
			S dTex hCHW	S Conv	160.052	160.885	S dTex hCHW	S Conv	166.339
			C Kr CHW O4C4HW	S hCHW dC4HW	297.657	298.021	C Kr CHW O4C4HW	S hCHW dC4HW	298.714
conv_buf_IKnc4hw_SIKOnc4hw_KrO4HWC			S hCHW dC4HW	S Conv	632.916	638.750	S hCHW dC4HW	S Conv	659.451
			S hCHW dC4HW	S Conv	1140.104	1146.459	S hCHW dC4HW	S Conv	1200.889
			S dC4HW hCHW	S Conv	167.708	174.062	S dC4HW hCHW	S Conv	174.910
			C Kr HWC O4HWC	S hCHW dC4HW	0.000	0.000	C Kr HWC O4HWC	S hCHW dC4HW	0.000
			S hCHW dC4HW	S Conv	631.302	655.313	S hCHW dC4HW	S Conv	666.453
conv_buf_IKnc4hw_SIKnc4hw_SOnc4hw			S hCHW dC4HW	S Conv	1137.032	1154.896	S hCHW dC4HW	S Conv	1233.703
			S dC4HW hCHW	S Conv	164.427	166.979	S dC4HW hCHW	S Conv	172.267
			C Kr CHW O4C4HW	S hCHW dC4HW	306.615	315.677	C Kr CHW O4C4HW	S hCHW dC4HW	315.646
			S hCHW dC4HW	S Conv	606.823	630.469	S hCHW dC4HW	S Conv	641.545
			S hCHW dC4HW	S Conv	1137.708	1153.958	S hCHW dC4HW	S Conv	1204.483
conv_buf_IKnc4hw_SKnc4hw_KrO4C4HW			C Kr CHW O4C4HW	S Conv	316.354	316.771	C Kr CHW O4C4HW	S Conv	328.540
			S Conv	S Conv	1480.364	1490.156	S Conv	S Conv	1520.217
			C Kr CHW O4C4HW	S Conv	326.302	327.083	C Kr CHW O4C4HW	S Conv	337.042
			S Conv	S Conv	2163.906	2180.261	S Conv	S Conv	2205.672
			C Kr HWC O4HWC	S Conv	0.000	0.000	C Kr HWC O4HWC	S Conv	0.000
conv_buf_IKnhwc_KrO4C4HW			S Conv	S Conv	2091.458	2155.574	S Conv	S Conv	2175.387
			C Kr HWC O4C4HW	S Conv	226.458	227.083	C Kr HWC O4C4HW	S Conv	236.120
			S Conv	S Conv	2217.136	2230.990	S Conv	S Conv	2242.547
			C Kr HWC O4HWC	S Conv	140.260	140.625	C Kr HWC O4HWC	S Conv	141.224
			S Conv	S Conv	2112.188	2157.813	S Conv	S Conv	2177.532
conv_buf_Inhwc_Knc4hw_KrO4C4HW			C Kr CHW O4C4HW	S Conv	378.750	379.219	C Kr CHW O4C4HW	S Conv	395.738
			S Conv	S Conv	1464.531	1478.646	S Conv	S Conv	1496.920
			S Conv	S Conv	3360.261	3439.271	S Conv	S Conv	3464.452
			S Conv	S Conv			S Conv	S Conv	
			S Conv	S Conv			S Conv	S Conv	
conv_buf_IKnhwc							mean:3464.5		







N:1/H:14/W:14/KH:3/KW:3/py:1/px:1/px2:1/px3:1/px4:1/px5:1/D:1/G:384/GCin:1/GCout:1/iterations:1/repeats:35 google Pixel 3 XL 28[armv8-a, armeabi-v7a, armeabi]Qualcomm Adreno (TM) 630							std(us)
aconv	conv tex IKnc4hw	C Kr CHW_O4C4HW	4.740	4.948	5.363	1.049	
		S hCHW_dTex	176.511	183.646	202.042	51.449	
		S Conv	174.895	178.125	182.285	5.601	
conv buf IKnc4hw SIKOnc4hw KrO4C4HW		S dTex_hCHW	193.073	268.437	263.406	31.017	
		C Kr CHW_O4C4HW	4.844	5.000	5.653	2.168	
		S hCHW_dC4HW	373.490	376.927	388.255	14.828	
conv buf IKnc4hw SIKOnc4hw KrO4HWC		S Conv	383.229	390.625	402.754	29.091	
		S dC4HW_hCHW	168.073	170.937	178.462	18.277	
		C Kr HWC_O4HWC	0.000	0.000	0.000	0.000	
conv buf IKnc4hw SIKnc4hw SOnc4hw		S hCHW_dC4HW	371.407	378.230	392.307	27.144	
		S Conv	382.083	385.677	396.971	25.764	
		S dC4HW_hCHW	170.156	171.146	175.898	5.632	
conv buf IKnc4hw SKnc4hw KrO4C4HW		C Kr CHW_O4C4HW	4.792	5.104	7.724	12.863	
		S hCHW_dC4HW	354.896	380.469	387.655	23.037	
		S Conv	379.844	389.375	402.318	28.714	
conv buf IKnc4hw KrO4C4HW		C Kr CHW_O4C4HW	4.947	5.104	5.266	0.298	
		S Conv	639.375	652.969	691.606	57.341	
		C Kr CHW_O4C4HW	4.896	5.208	5.417	0.387	
conv buf IKnc4hw KrO4HWC		S Conv	630.365	644.011	656.863	44.919	
		C Kr HWC_O4HWC	0.000	0.000	0.000	0.000	
		S Conv	581.042	633.958	637.538	54.809	
conv buf IKnhwc KrO4C4HW		C Kr HWC_O4C4HW	4.948	5.208	5.568	0.489	
		S Conv	662.239	673.645	692.455	31.827	
		C Kr HWC_O4HWC	4.947	5.104	5.599	0.816	
conv buf IKnhwc KrO4HWC		S Conv	656.667	667.917	689.469	40.727	
		C Kr CHW_O4C4HW	4.948	5.104	5.368	0.359	
		S Conv	654.271	674.427	695.958	58.457	
conv buf IKnhwc		S Conv	663.178	689.063	733.214	60.022	
		S Conv					
		S Conv					



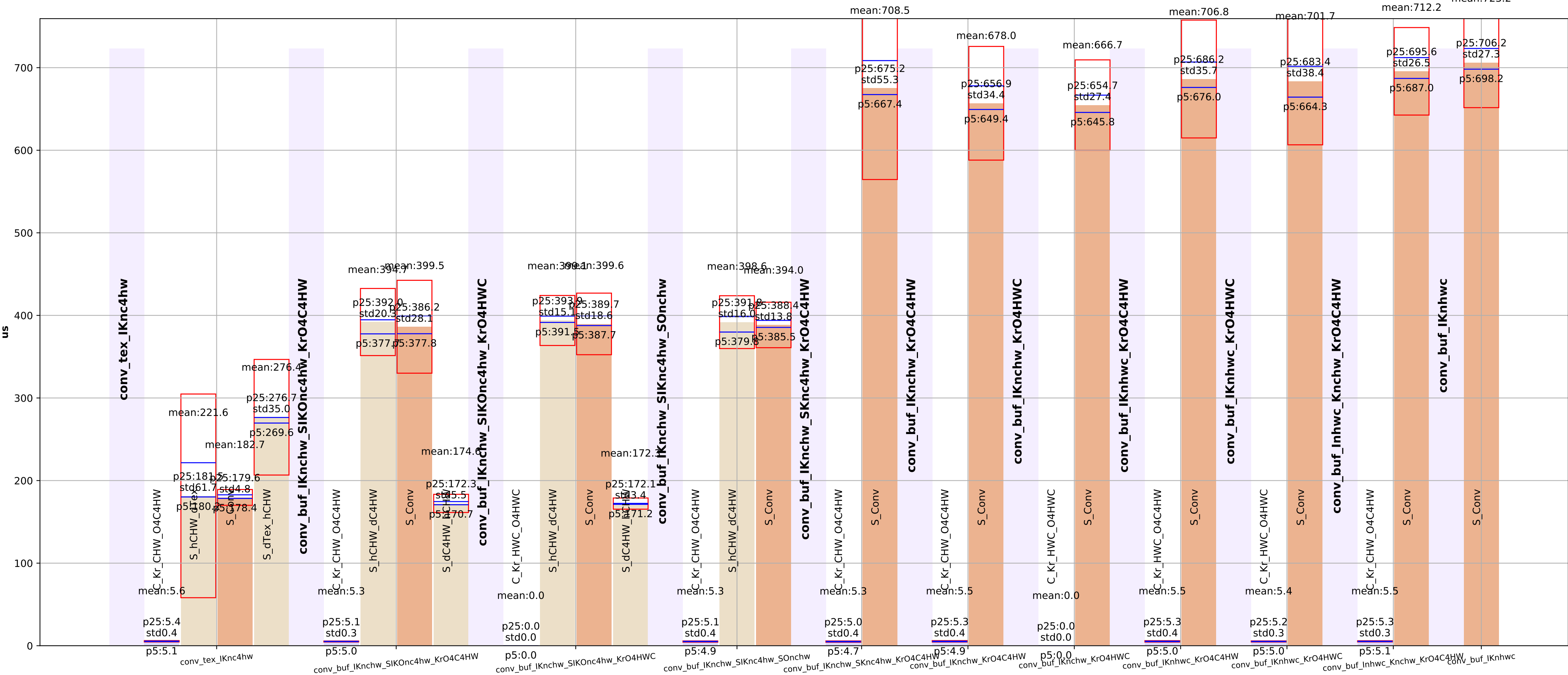




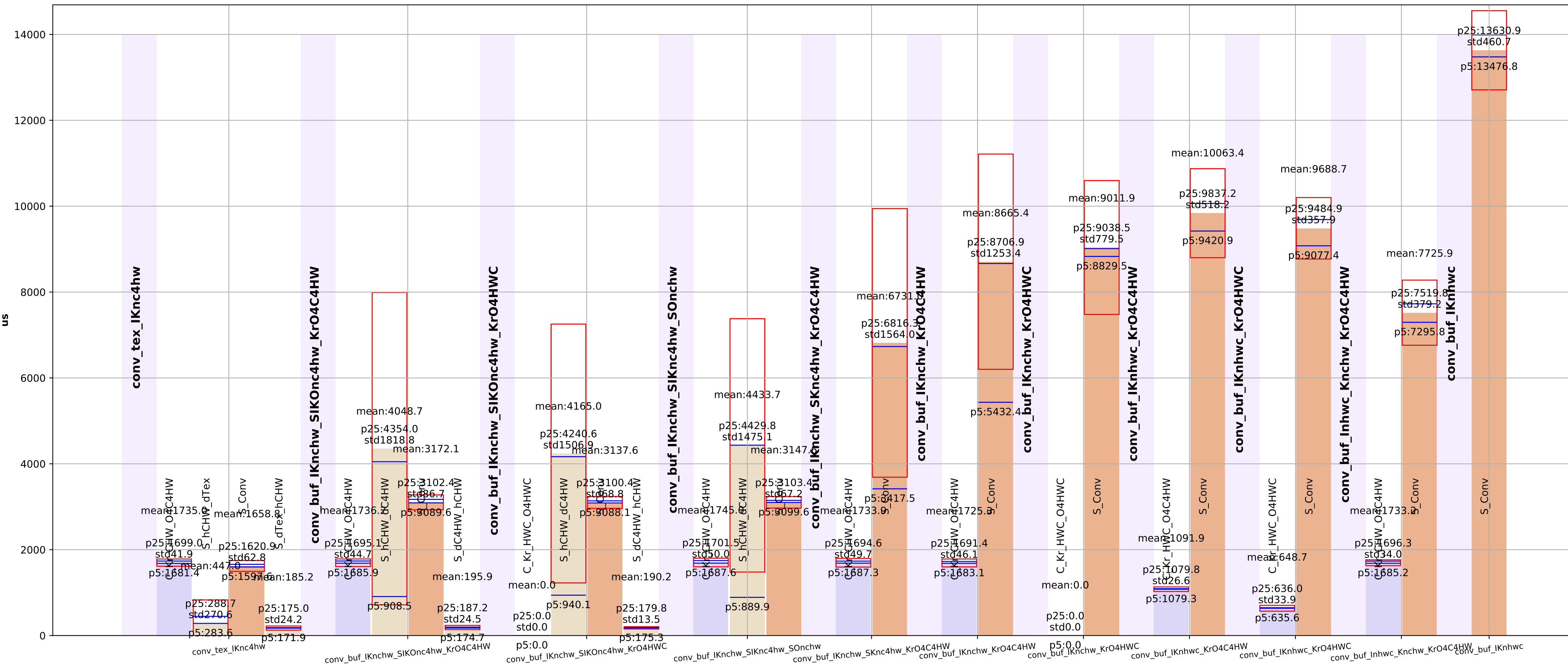




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aconv	conv tex	IKnc4hw	C Kr CHW O4C4HW	5.104	5.364	5.594	0.402							
			S hCHW dTex	180.157	181.459	221.594	61.667							
			S Conv	178.385	179.584	182.726	4.778							
			S dTex hCHW	269.636	276.666	276.410	34.996							
conv buf	IKnchw	SIKOnc4hw	KrO4C4HW	C Kr CHW O4C4HW	5.000	5.105	5.312	0.295						
				S hCHW dC4HW	377.656	391.979	394.669	20.313						
				S Conv	377.812	386.250	399.493	28.113						
				S dC4HW hCHW	170.729	172.343	174.550	5.499						
conv buf	IKnchw	SIKOnc4hw	KrO4HWC	C Kr HWC O4HWC	0.000	0.000	0.000	0.000						
				S hCHW dC4HW	391.511	393.854	399.142	15.139						
				S Conv	387.709	389.687	399.632	18.643						
				S dC4HW hCHW	171.250	172.135	172.339	3.384						
conv buf	IKnchw	SIKnc4hw	SOncchw	C Kr CHW O4C4HW	4.948	5.052	5.334	0.359						
				S hCHW dC4HW	379.844	391.823	398.583	15.993						
				S Conv	385.468	388.437	393.960	13.764						
conv buf	IKnchw	SKnc4hw	KrO4C4HW	C Kr CHW O4C4HW	4.739	5.000	5.264	0.385						
				S Conv	667.396	675.208	708.542	55.324						
conv buf	IKnchw	KrO4C4HW		C Kr CHW O4C4HW	4.895	5.312	5.491	0.423						
				S Conv	649.375	656.875	678.003	34.413						
conv buf	IKnchw	KrO4HWC		C Kr HWC O4HWC	0.000	0.000	0.000	0.000						
				S Conv	645.781	654.687	666.715	27.364						
conv buf	IKnhwc	KrO4C4HW		C Kr HWC O4C4HW	5.000	5.260	5.530	0.419						
				S Conv	676.042	686.250	706.821	35.678						
conv buf	IKnhwc	KrO4HWC		C Kr HWC O4HWC	5.000	5.156	5.375	0.328						
				S Conv	664.323	683.438	701.653	38.429						
conv buf	Inhwc	Knchw	KrO4C4HW	C Kr CHW O4C4HW	5.052	5.313	5.493	0.346						
				S Conv	686.979	695.573	712.170	26.489						
				S Conv	698.177	706.250	723.207	27.342						
	conv buf	IKnhwc						mean: 723.207						

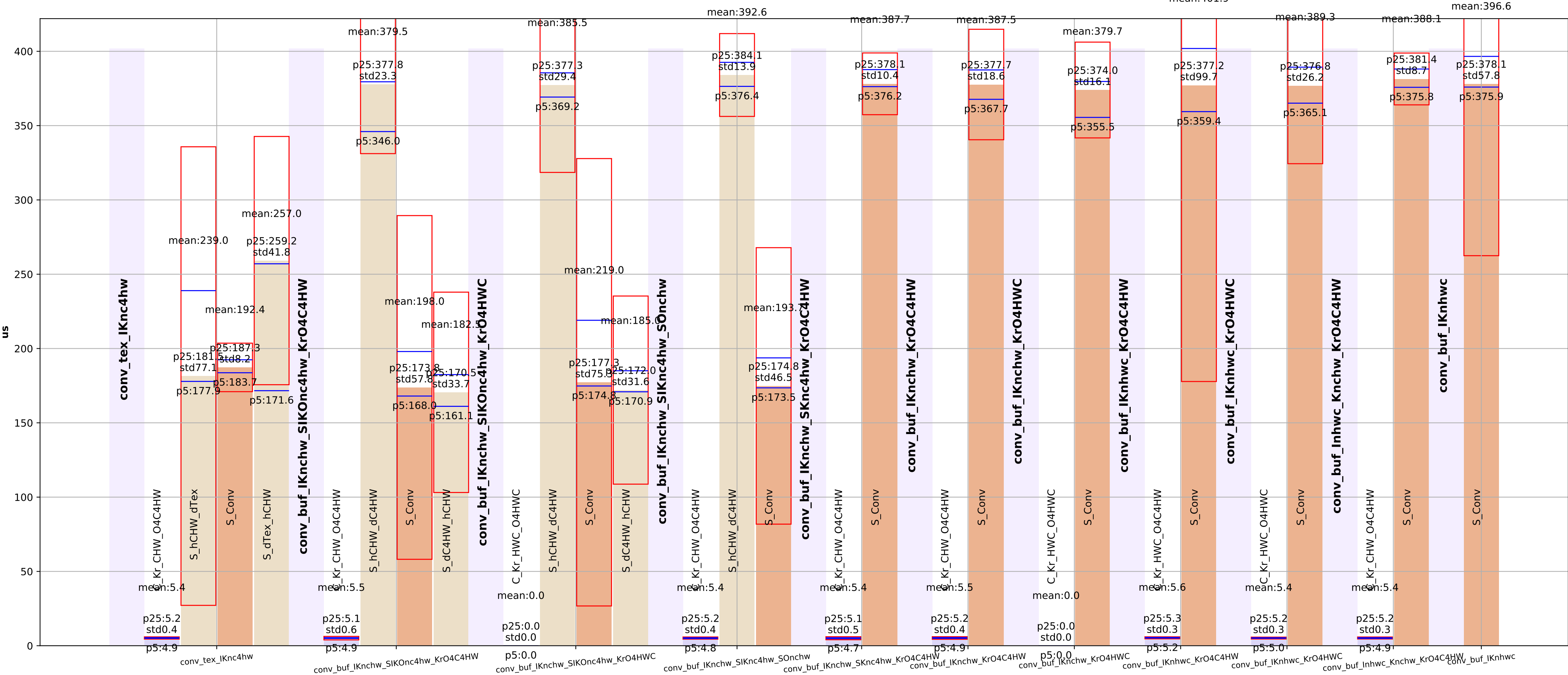


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					std(us)									
conv_tex_IKnc4hw		C Kr CHW O4C4HW		mean:1681.407										41.932
		S hCHW dTex		std:283.646										
		S Conv		mean:1597.604										270.605
conv_buf_IKnc4hw_SIKOnc4hw_KrO4C4HW		S dTex hCHW		std:171.875										62.782
		C Kr CHW O4C4HW		mean:1685.937										24.216
		S hCHW dC4HW		std:908.490										44.651
conv_buf_IKnc4hw_SIKOnc4hw_KrO4HWC		S Conv		mean:3089.636										1818.837
		S dC4HW hCHW		std:174.687										86.698
		C Kr HWC O4HWC		mean:0.000										24.533
conv_buf_IKnc4hw_SKnc4hw_KrO4C4HW		S hCHW dC4HW		std:940.052										0.000
		S Conv		mean:3088.073										1506.921
		S dC4HW hCHW		std:175.312										68.807
conv_buf_IKnc4hw_SKnc4hw_KrO4HWC		C Kr CHW O4C4HW		mean:1687.605										13.479
		S hCHW dC4HW		std:889.948										50.022
		S Conv		mean:3099.584										1475.107
conv_buf_IKnc4hw_KrO4C4HW		C Kr CHW O4C4HW		mean:1687.291										67.248
		S Conv		std:3417.501										49.732
		S dC4HW hCHW		mean:6816.251										1564.002
conv_buf_IKnc4hw_KrO4HWC		C Kr CHW O4C4HW		mean:1683.073										46.107
		S Conv		std:5432.448										1253.410
		C Kr HWC O4HWC		mean:0.000										0.000
conv_buf_IKnhwc_KrO4C4HW		S Conv		mean:8829.480										779.504
		C Kr HWC O4C4HW		std:1079.271										26.613
		S Conv		mean:9420.938										518.208
conv_buf_IKnhwc_KrO4HWC		C Kr HWC O4HWC		mean:635.573										33.934
		S Conv		std:9077.449										357.882
		C Kr CHW O4C4HW		mean:1685.209										34.013
conv_buf_IKnhwc		S Conv		std:7295.834										379.240
		S Conv		mean:13476.772										13989.1
		S Conv		std:13630.938										60.681

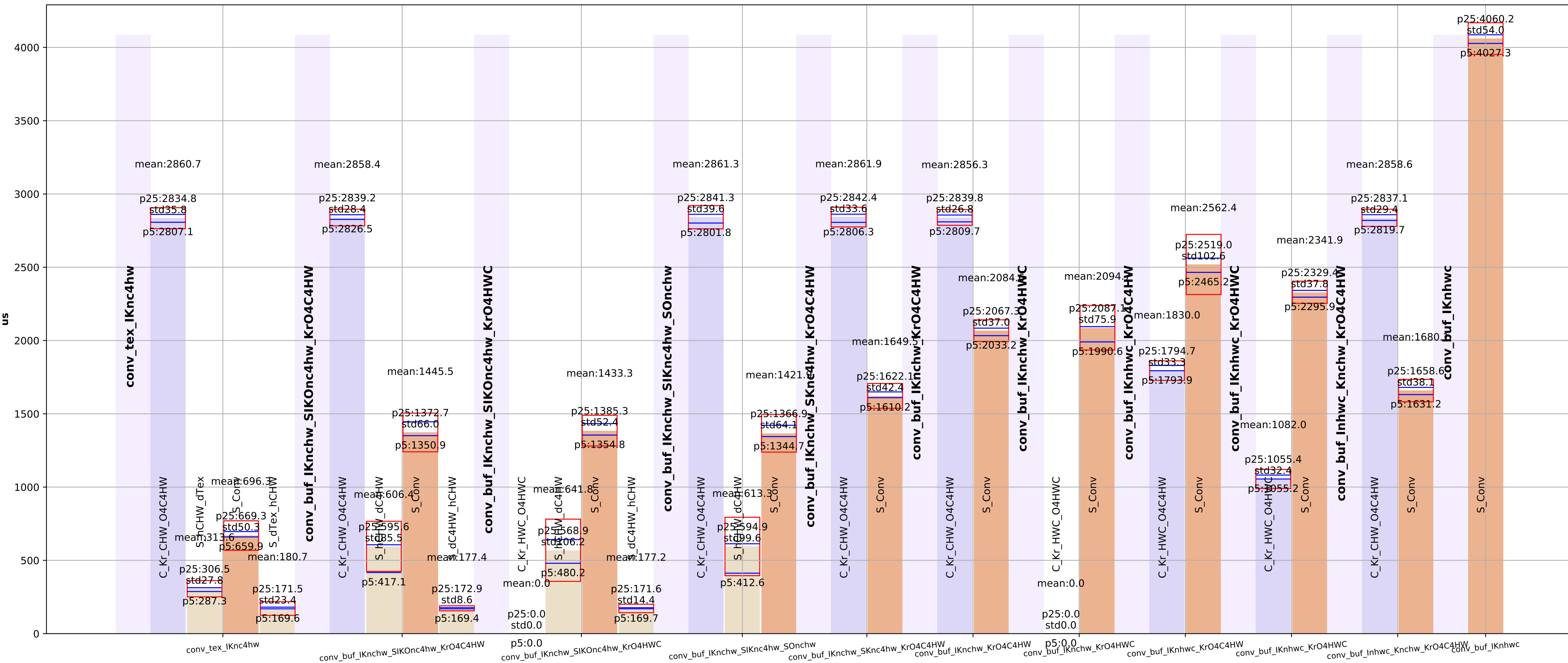




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aconv	conv_tex_IKnc4hw	C Kr CHW_O4C4HW	4.948	5.209	5.450	0.371
		S hCHW_dTex	177.864	181.458	238.962	77.146
		S Conv	183.698	187.291	192.406	8.159
conv_buf_IKncchw_SIKOnc4hw_KrO4C4HW		S dTex_hCHW	171.614	259.166	257.026	41.765
		C Kr CHW_O4C4HW	4.896	5.104	5.451	0.591
		S hCHW_dC4HW	345.990	377.812	379.503	23.328
conv_buf_IKncchw_SIKOnc4hw_KrO4HWC		S Conv	168.021	173.802	197.967	57.829
		S dC4HW_hCHW	161.094	170.521	182.455	33.710
		C Kr HWC_O4HWC	0.000	0.000	0.000	0.000
conv_buf_IKncchw_SIKnc4hw_SOnchw		S hCHW_dC4HW	369.219	377.292	385.507	29.388
		S Conv	174.792	177.292	218.993	75.269
		S dC4HW_hCHW	170.885	172.031	185.045	31.647
conv_buf_IKncchw_SIKnc4hw_KrO4C4HW		C Kr CHW_O4C4HW	4.844	5.156	5.387	0.363
		S hCHW_dC4HW	376.406	384.063	392.578	13.933
		S Conv	173.542	174.843	193.698	46.513
conv_buf_IKncchw_SKnc4hw_KrO4C4HW		C Kr CHW_O4C4HW	4.739	5.052	5.394	0.511
		S Conv	376.250	378.125	387.679	10.390
		C Kr CHW_O4C4HW	4.948	5.208	5.488	0.430
conv_buf_IKncchw_KrO4C4HW		S Conv	367.708	377.656	387.470	18.589
		C Kr HWC_O4HWC	0.000	0.000	0.000	0.000
		S Conv	355.521	373.959	379.703	16.116
conv_buf_IKnhwc_KrO4C4HW		C Kr HWC_O4C4HW	5.157	5.313	5.563	0.337
		S Conv	359.427	377.187	401.901	99.693
		C Kr HWC_O4HWC	5.000	5.157	5.372	0.313
conv_buf_IKnhwc_KrO4HWC		S Conv	365.104	376.823	389.330	26.225
		C Kr CHW_O4C4HW	4.896	5.208	5.420	0.335
		S Conv	375.781	381.406	388.094	8.717
conv_buf_IKnhwc		S Conv	375.938	378.073	396.595	57.802
		S Conv				
		S Conv				
mean: 401.9						



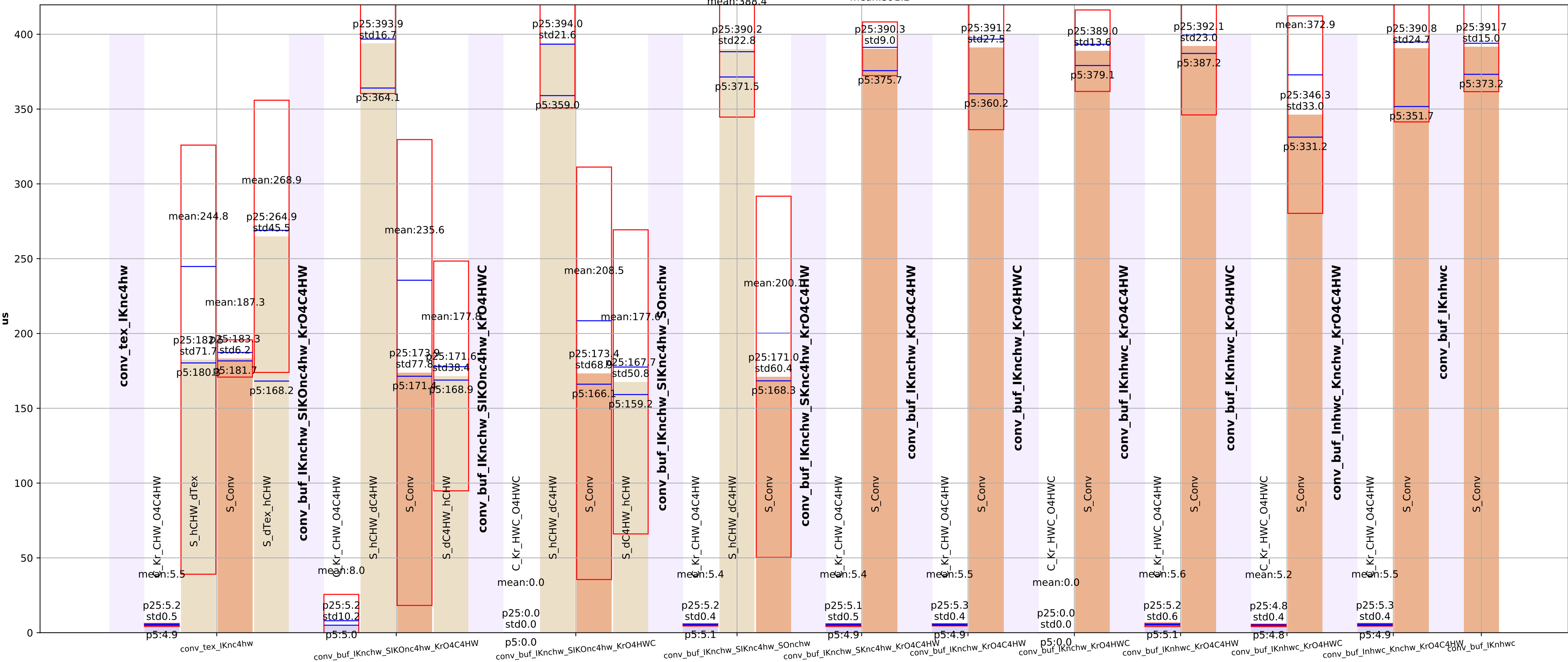
N:1/H:7/W:7/KH:1/KW:1/py:0/px:0/S:1/D:1/G:1/GCin:576/GCout:160/iterations:1/repeats:35 google Pixel 3 XL 29 [arm64-v8a, armeabi-v7a, armeabi] Qualcomm Adreno (TM) 630							std(us)
aconv	conv tex IKnc4hw	C Kr CHW O4C4HW	2807.135	2834.792	2860.676		35.832
		S hCHW dTex	287.344	306.511	313.566		27.806
		S Conv	659.948	669.271	696.283		50.319
		S dTex hCHW	169.636	171.459	180.748		23.409
		C Kr CHW O4C4HW	2826.459	2839.219	2858.440		28.400
conv buf IKnchw SIKOnc4hw KrO4C4HW		S hCHW dC4HW	417.135	595.573	606.365		85.506
		S Conv	1350.885	1372.708	1445.488		65.980
		S dC4HW hCHW	169.375	172.865	177.398		8.575
		C Kr HWC O4HWC	0.000	0.000	0.000		0.000
		S hCHW dC4HW	480.208	568.907	641.760		106.161
conv buf IKnchw SIKOnc4hw KrO4HWC		S Conv	1354.792	1385.312	1433.316		52.431
		S dC4HW hCHW	169.740	171.563	177.247		14.449
		C Kr CHW O4C4HW	2801.771	2841.302	2861.299		39.597
		S hCHW dC4HW	412.604	594.896	613.307		99.629
		S Conv	1344.687	1366.875	1421.873		64.074
conv buf IKnchw SKnc4hw KrO4C4HW		C Kr CHW O4C4HW	2806.251	2842.397	2861.867		33.580
		S Conv	1610.157	1622.135	1649.490		42.377
		C Kr CHW O4C4HW	2809.739	2839.792	2856.302		26.764
		S Conv	2033.178	2067.344	2084.625		36.999
		C Kr HWC O4HWC	0.000	0.000	0.000		0.000
conv buf IKnchw KrO4HWC		S Conv	1990.573	2087.084	2094.715		75.875
		C Kr HWC O4C4HW	1793.907	1794.688	1829.972		33.335
		S Conv	2465.157	2518.959	2562.436		102.590
		C Kr HWC O4HWC	1055.209	1055.417	1082.019		32.444
		S Conv	2295.886	2329.375	2341.853		37.781
conv buf Inhwc Knchw KrO4C4HW		C Kr CHW O4C4HW	2819.740	2837.084	2858.561		29.394
		S Conv	1631.250	1658.594	1680.130		38.086
		S Conv	4027.292	4060.209	4086.204		33.952
							mean:4086.2



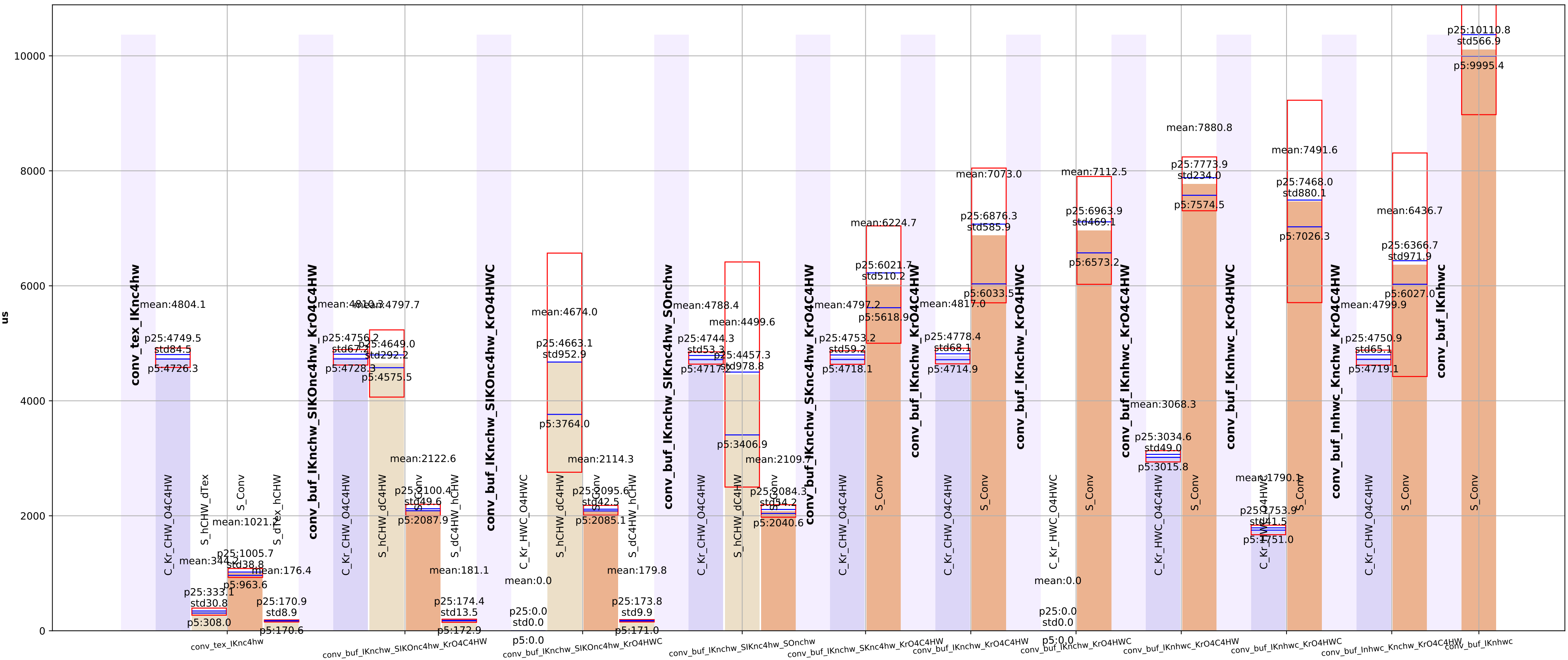




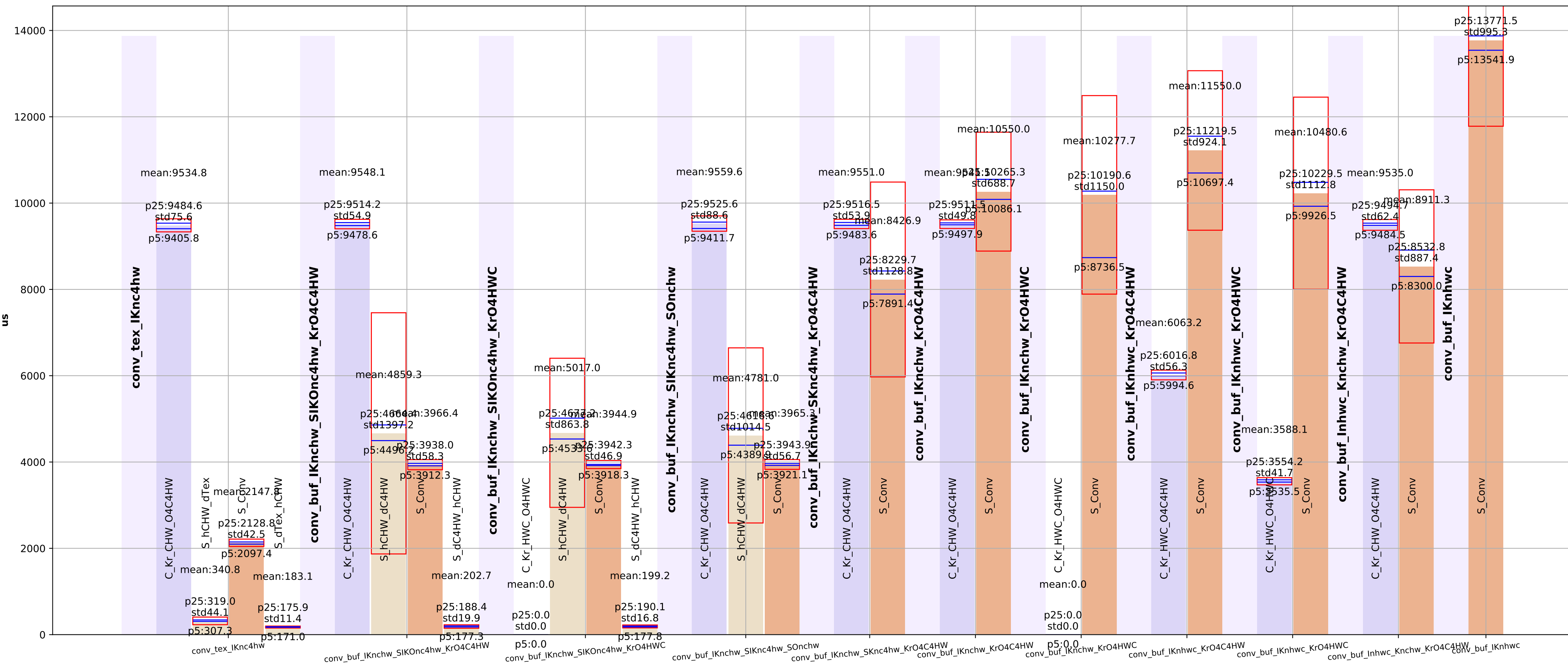
N:1/H:7/W:7/KH:3/KW:3/py:1/pn:15:1/D:1/G:960/GCin:1/GCout:1/iterations:1/repeats:35 google Pixel 3 XL 29 farm64-v8a, armeabi-v7a, armeabi Qualcomm Adreno (TM) 630										std(us)
aconv	conv tex IKnc4hw	C Kr CHW O4C4HW	4.948	5.157	5.498	0.491				
		S hCHW dTex	180.313	182.500	244.764	71.706				
		S Conv	181.666	183.281	187.295	6.219				
		conv buf IKnc4hw SIKOnc4hw KrO4C4HW	S dTex hCHW	168.177	264.948	268.948	45.484			
			C Kr CHW O4C4HW	5.000	5.208	7.986	10.191			
			S hCHW dC4HW	364.062	393.854	396.764	16.723			
		conv buf IKnc4hw SIKOnc4hw KrO4HWC	S Conv	171.406	173.906	235.587	77.848			
			S dC4HW hCHW	168.854	171.614	177.794	38.400			
			C Kr HWC O4HWC	0.000	0.000	0.000	0.000			
		conv buf IKnc4hw SIKnc4hw SOnchw	S hCHW dC4HW	359.010	393.959	393.384	21.561			
			S Conv	166.094	173.385	208.504	68.921			
			S dC4HW hCHW	159.167	167.656	177.573	50.820			
		conv buf IKnc4hw SKnc4hw KrO4C4HW	C Kr CHW O4C4HW	5.104	5.208	5.441	0.365			
			S hCHW dC4HW	371.458	390.208	388.370	22.784			
			S Conv	168.333	171.042	200.141	60.367			
		conv buf IKnc4hw SKnc4hw KrO4C4HW	C Kr CHW O4C4HW	4.896	5.052	5.444	0.463			
			S Conv	375.677	390.312	391.246	8.964			
			C Kr CHW O4C4HW	4.948	5.261	5.470	0.357			
		conv buf IKnc4hw KrO4C4HW	S Conv	360.208	391.198	396.721	27.485			
			C Kr HWC O4HWC	0.000	0.000	0.000	0.000			
			S Conv	379.114	389.010	393.307	13.618			
		conv buf IKnhwc KrO4C4HW	C Kr HWC O4C4HW	5.052	5.208	5.588	0.556			
			S Conv	387.188	392.135	399.687	23.025			
			C Kr HWC O4HWC	4.791	4.844	5.203	0.396			
		conv buf IKnhwc KrO4C4HW	S Conv	331.250	346.303	372.870	32.996			
			C Kr CHW O4C4HW	4.895	5.260	5.516	0.433			
			S Conv	351.719	390.833	394.872	24.705			
		conv buf IKnhwc	S Conv	373.229	391.719	393.981	15.039			
		mean:396.8					mean:393.4			



N:1/H:7/W:7/KH:1/KW:1/py:0/px:0/Sr:1/D:1/G:1/Cin:960/GCout:160/iterations:1/repeats:35 google Pixel 3 XL 2019, farm64-v8a, armeabi-v7a, armeabi					Qualcomm Adreno (TM) 630				
								std(us)	
conv_tex_IKnc4hw	C_Kr_CHW_O4C4HW	C_Kr_CHW_O4C4HW	4726.302	4749.480	4804.148			84.520	
		S_hCHW_dTex	307.969	333.125	344.227			30.807	
		S_Conv	963.645	1005.730	1021.196			38.816	
conv_buf_IKncchw_SIKOnc4hw_KrO4C4HW	C_Kr_CHW_O4C4HW	S_dTex_hCHW	170.625	170.885	176.396			8.871	
		S_hCHW_dC4HW	4728.282	4756.250	4810.349			67.221	
		S_Conv	4575.469	4649.011	4797.717			292.215	
conv_buf_IKncchw_SIKOnc4hw_KrO4HWC	S_dC4HW_hCHW	S_dC4HW_hCHW	2087.865	2100.365	2122.563			49.574	
		C_Kr_HWC_O4HWC	172.916	174.375	181.052			13.528	
		S_hCHW_dC4HW	0.000	0.000	0.000			0.000	
conv_buf_IKncchw_SIKnc4hw_SOncchw	S_Conv	S_Conv	3763.959	4663.125	4673.994			952.900	
		C_Kr_CHW_O4C4HW	2085.104	2095.573	2114.261			42.482	
		S_dC4HW_hCHW	170.990	173.750	179.825			9.904	
conv_buf_IKncchw_SKnc4hw_KrO4C4HW	C_Kr_CHW_O4C4HW	C_Kr_CHW_O4C4HW	4717.188	4744.323	4788.363			53.269	
		S_hCHW_dC4HW	3406.928	4457.292	4499.572			978.776	
		S_Conv	2040.625	2084.271	2109.656			54.198	
conv_buf_IKncchw_KrO4C4HW	S_Conv	C_Kr_CHW_O4C4HW	4718.126	4753.230	4797.200			59.185	
		S_Conv	5618.907	6021.720	6224.732			510.183	
		C_Kr_CHW_O4C4HW	4714.948	4778.438	4817.037			68.056	
conv_buf_IKncchw_KrO4HWC	S_Conv	S_Conv	6033.490	6876.251	7072.966			585.903	
		C_Kr_HWC_O4HWC	0.000	0.000	0.000			0.000	
		S_Conv	6573.230	6963.855	7112.459			469.093	
conv_buf_IKnhwc_KrO4C4HW	C_Kr_HWC_O4C4HW	C_Kr_HWC_O4C4HW	3015.782	3034.583	3068.262			48.979	
		S_Conv	7574.480	7773.855	7880.794			234.025	
		C_Kr_HWC_O4HWC	1751.042	1753.854	1790.092			41.451	
conv_buf_IKnhwc_KrO4HWC	S_Conv	S_Conv	7026.251	7467.970	7491.645			880.054	
		C_Kr_CHW_O4C4HW	4719.115	4750.938	4799.867			65.122	
		S_Conv	6027.032	6366.668	6436.723			971.897	
conv_buf_IKnhwc		S_Conv	9995.365	10110.834	10368.973			mean:10368.973	std(us)



aconv N:1/H:7/W:7/KH:1/KW:1/py:0/px:0/Sr:1/D:1/G:1/GCin:960/GCout:320/iterations:1/repeats:35 google Pixel 3 Xp229s, armeabi-v7a, armeabi, Qualcomm Adreno (TM) 630							std(us)
conv tex lKnc4hw	C Kr CHW O4C4HW	9405.783	9484.636	9534.774		75.648	
	S hCHW d1ex	307.344	318.959	340.807		44.111	
	S Conv	2097.448	2128.750	2147.769		42.488	
	S d1ex hCHW	170.990	175.938	183.148		11.385	
conv buf lKncchw SIKOnc4hw KrO4C4HW	C Kr CHW O4C4HW	9478.646	9514.219	9548.147		54.900	
	S hCHW dC4HW	4496.199	4664.427	4859.315		1397.201	
	S Conv	3912.344	3937.969	3966.414		58.300	
	S dC4HW hCHW	177.292	188.438	202.703		19.878	
conv buf lKncchw SIKOnc4hw KrO4HWC	C Kr HWC O4HWC	0.000	0.000	0.000		0.000	
	S hCHW dC4HW	4533.646	4677.240	5016.978		863.840	
	S Conv	3918.282	3942.292	3944.921		46.887	
	S dC4HW hCHW	177.812	190.052	199.196		16.794	
conv buf lKncchw SIKnc4hw SOncchw	C Kr CHW O4C4HW	9411.719	9525.574	9559.622		88.602	
	S hCHW dC4HW	4389.896	4616.615	4780.997		1014.487	
	S Conv	3921.146	3943.907	3965.349		56.733	
	C Kr CHW O4C4HW	9483.647	9516.511	9550.952		53.874	
conv buf lKncchw SKnc4hw KrO4C4HW	S Conv	7891.407	8229.740	8426.891		1128.807	
	C Kr CHW O4C4HW	9497.866	9491.512	9541.524		49.830	
	S Conv	10086.147	10265.262	10549.996		688.737	
	C Kr HWC O4HWC	0.000	0.000	0.000		0.000	
conv buf lKncchw KrO4HWC	S Conv	8736.512	10190.574	10277.690		1150.008	
	C Kr HWC O4C4HW	5994.584	6016.823	6063.237		56.312	
	S Conv	10697.449	11219.480	11549.999		924.138	
	C Kr HWC O4HWC	3535.521	3554.167	3588.144		41.658	
conv buf lKnhwc Kncchw KrO4C4HW	S Conv	9926.511	10229.480	10480.609		1112.789	
	C Kr CHW O4C4HW	9484.532	9494.740	9535.022		62.395	
	S Conv	8300.001	8532.813	8911.256		887.376	
	S Conv	13541.929	13771.459	13874.034		mean:13874.034	





N:1/H:7/W:7/KH:1/KW:1/py:0/px:0/sr:1/D:1/G:1/GCin:320/GCout:1280/iterations:1/repeats:35 google Pixel 3 XL 28 farm64-v8a, armeabi-v7a, armeabi					Qualcomm Adreno (TM) 630	
					mean(us)	std(us)
conv tex lKnc4hw	C Kr CHW O4C4HW	12576.616	12670.209	12730.522	118.340	
	S hCHW dTex	403.385	414.167	432.641	22.921	
	S Conv	1990.365	2057.865	2646.252	951.908	
conv buf lKnc4hw SlKOnc4hw KrO4C4HW	S dTex hCHW	176.927	182.239	189.305	13.152	
	C Kr CHW O4C4HW	12623.178	12677.345	12729.269	71.776	
	S hCHW dC4HW	3804.427	4565.052	4869.657	934.003	
conv buf lKnc4hw SlKOnc4hw KrO4HWC	S Conv	4247.032	4272.969	4303.617	52.998	
	S dC4HW hCHW	183.490	190.990	222.976	76.437	
	C Kr HWC O4HWC	0.000	0.000	0.000	0.000	
conv buf lKnc4hw SlKnc4hw SOnc4hw	S hCHW dC4HW	4246.302	4520.990	4893.653	853.707	
	S Conv	4289.375	4302.604	4320.685	40.951	
	S dC4HW hCHW	182.656	188.594	193.561	8.906	
conv buf lKnc4hw SlKnc4hw KrO4C4HW	C Kr CHW O4C4HW	12621.043	12669.480	12724.394	82.855	
	S hCHW dC4HW	3543.542	4419.792	4755.311	1035.431	
	S Conv	4270.001	4319.115	4358.079	69.588	
conv buf lKnc4hw KrO4C4HW	C Kr CHW O4C4HW	12633.960	12666.303	12729.989	95.226	
	S Conv	7523.491	8311.146	8721.838	1075.399	
	C Kr CHW O4C4HW	11701.720	12129.793	12341.473	383.332	
conv buf lKnc4hw KrO4HWC	S Conv	9210.105	9659.063	9993.503	1000.401	
	C Kr HWC O4HWC	0.000	0.000	0.000	0.000	
conv buf lKnhwc KrO4C4HW	S Conv	8969.271	9714.480	10093.442	1409.993	
	C Kr HWC O4C4HW	6373.126	6566.302	6609.237	140.198	
	S Conv	10646.251	10916.199	11213.854	613.994	
conv buf lKnhwc KrO4HWC	C Kr HWC O4HWC	3606.928	3636.354	3705.724	81.634	
	S Conv	10031.876	10203.126	10704.406	915.746	
conv buf lnhwc Knchw KrO4C4HW	C Kr CHW O4C4HW	10207.553	10277.345	10423.965	173.601	
	S Conv	8557.396	8682.553	9151.159	950.352	
	S Conv	13279.532	13402.033	13809.823	834.836	
					mean:13809.8	

