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Performance Analysis for Subroutine CNDF ; Time used=1:02:11

COMPLETED				
20% I/O		54% MM	16% TR	

Total Processor Performance
(64-bit floating point operations per second)

Tera	Giga	Mega	Kilo	Flops
26	426	935	223	092

TUNING: See the Parameters page for tuning suggestions.

Component Performance (Gflops)

Routine	All	40 CPUs	GPU 1 40 °C 1245 MHz 39 Watts	GPU 2 33 °C 1245 MHz 34 Watts	GPU 3 34 °C 1245 MHz 35 Watts	GPU 4 34 °C 1245 MHz 35 Watts
Matrix Multiply CPU(4%)	27503	1628	6534	6639	6650	6643
Triangle Solve CPU(3%)	25065	1221	6042	6072	6079	6070
Diagonal Factor	15869	7	4120	4141	4077	4069
GPU model = Tesla V100-PCIE-16GB						

Time (Sec.)

Routine	All	CPUs	GPU 1	GPU 2	GPU 3	GPU 4
Matrix Multiply	1998	1685	1997	1966	1962	1964
Triangle Solve	601	450	600	597	596	597
Diagonal Factor	126	7	120	120	123	124

Total Compute	2725	2142	2717	2683	2682	2686
Assembly	13					
I/O wait	748					
HTML	6					
Other	253					
Overall	3731					

Times and Problem

Job Started	0	15:42:53 Wed Apr 11 2018	Equations	300000	Compute Rate (Gflops)	26427
Routine Started	111	15:44:44 Wed Apr 11 2018	Vectors	0	Read Rate (MBytes/Sec.)	2257
Current Time	3843	16:46:56 Wed Apr 11 2018	Block Size	50176 X 50176	Disk->Memory Reuse	100352
Estimated Completion	3843	16:46:56 Wed Apr 11 2018	Data Type	Complex	Disk Speed / Compute Speed	1.07