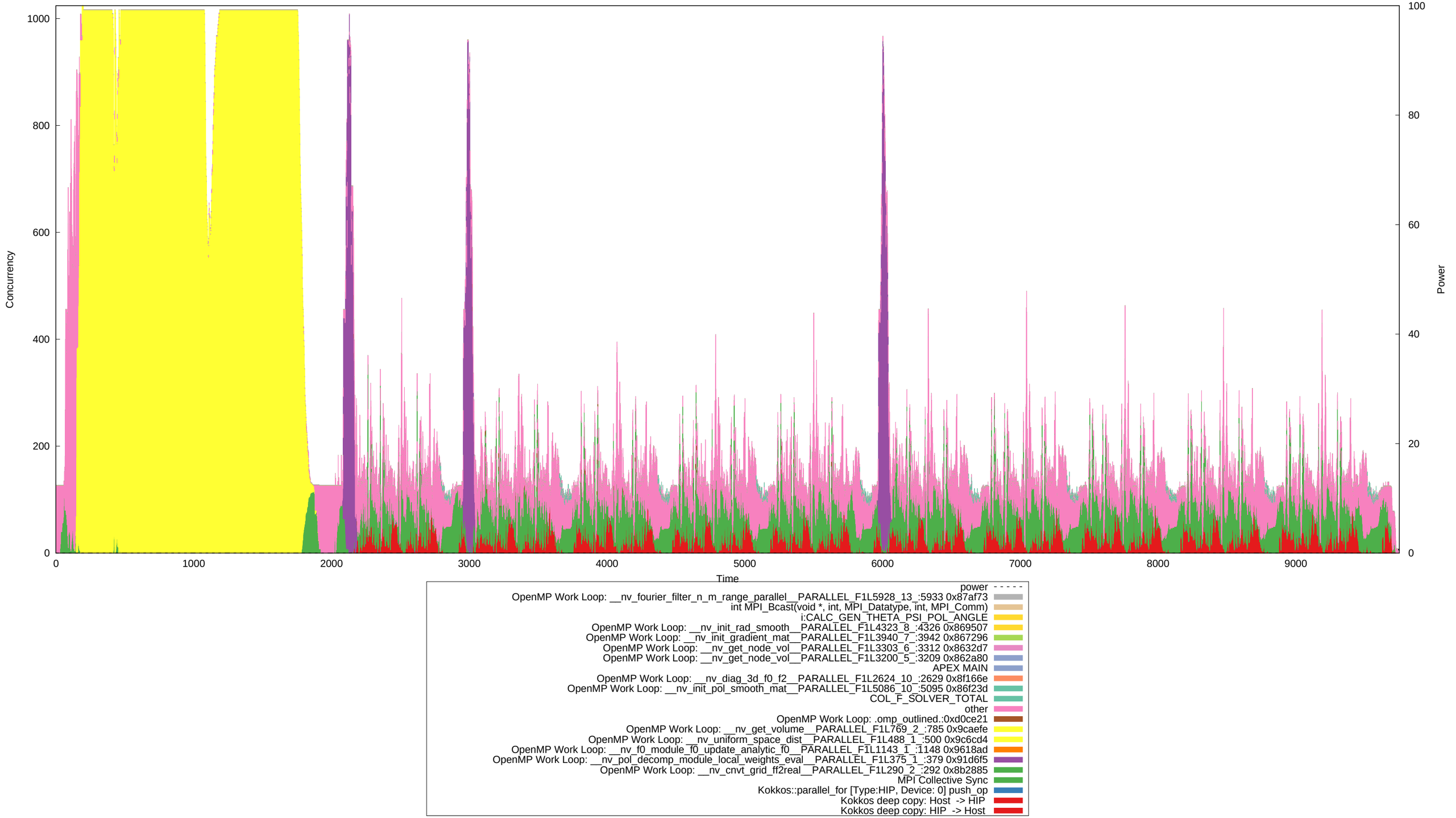
Concurrency
Power
Time
0
200
400
600
800
1000
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
power
OpenMP Work Loop: __nv_fourier_filter_n_m_range_parallel__PARALLEL_F1L5928_13_:5933 0x87af73
int MPI_Bcast(void *, int, MPI_Datatype, int, MPI_Comm)
i:CALC_GEN_THETA_PSI_POL_ANGLE
OpenMP Work Loop: __nv_init_rad_smooth__PARALLEL_F1L4323_8_:4326 0x869507
OpenMP Work Loop: __nv_init_gradient_mat__PARALLEL_F1L3940_7_:3942 0x867296
OpenMP Work Loop: __nv_get_node_vol__PARALLEL_F1L3303_6_:3312 0x8632d7
OpenMP Work Loop: __nv_get_node_vol__PARALLEL_F1L3200_5_:3209 0x862a80
APEX MAIN
OpenMP Work Loop: __nv_diag_3d_f0_f2__PARALLEL_F1L2624_10_:2629 0x8f166e
OpenMP Work Loop: __nv_init_pol_smooth_mat__PARALLEL_F1L5086_10_:5095 0x86f23d
COL_F_SOLVER_TOTAL
other
OpenMP Work Loop: .omp_outlined.:0xd0ce21
OpenMP Work Loop: __nv_get_volume__PARALLEL_F1L769_2_:785 0x9caefe
OpenMP Work Loop: __nv_uniform_space_dist__PARALLEL_F1L488_1_:500 0x9c6cd4
OpenMP Work Loop: __nv_f0_module_f0_update_analytic_f0__PARALLEL_F1L1143_1_:1148 0x9618ad
OpenMP Work Loop: __nv_pol_decomp_module_local_weights_eval__PARALLEL_F1L375_1_:379 0x91d6f5
OpenMP Work Loop: __nv_cnvt_grid_ff2real__PARALLEL_F1L290_2_:292 0x8b2885
MPI Collective Sync
Kokkos::parallel_for [Type:HIP, Device: 0] push_op
Kokkos deep copy: Host -> HIP
Kokkos deep copy: HIP -> Host