

```
/* Copy the data needed by other nodes to the host */
39. cudaMemcpyAsync(h_left_boundary, d_output + num_halo_points,
    num_halo_bytes, cudaMemcpyDeviceToHost, stream0);
40. cudaMemcpyAsync(h_right_boundary,
    d_output + right_stage1_offset + num_halo_points,
    num_halo_bytes, cudaMemcpyDeviceToHost, stream0);
41. cudaStreamSynchronize(stream0);
```