

Table 4. Statistical Comparison of Ship-Based Measurements, MISR and MODIS Standard Retrievals, and MODIS Retrievals Using a Constant Lapse Rate

| Observation | Mean (m) | | sigma (m) | | RMS Error (m) | Correlation Coefficient r |
|---------------------|----------|------|-----------|-------|---------------|---------------------------|
| Ship (n = 7) | 1189 | 232 | | | | |
| MISR wind corrected | | 1314 | 474 | 420 | 0.41 | |
| MISR no winds | 1388 | 292 | 245 | 0.85 | | |
| MODIS pressure | 2937 | 950 | 2004 | -0.37 | | |
| MODIS Gamma = 7.4 | | 1184 | 366 | 210 | 0.80 | |
| MODIS Gamma = 6.3 | | 1391 | 430 | 329 | 0.80 | |
| MODIS Gamma = 7.2 | | 1217 | 376 | 219 | 0.80 | |