

$r_e^{lon}, r_e^{lat}$

$f_e^{lon}, f_e^{lat}$   
 $\hat{f}_e^{lon}, \hat{f}_e^{lat}$

$r_c^{lon}, r_c^{lat}$

$r_s^{lon}, r_s^{lat}$

$\hat{r}_s^{lon}, \hat{r}_s^{lat}$   
 $f_s^{lon}, f_s^{lat}$   
 $D_s$

