Corrections (Roger Ekseth, PhD thesis 1998)

Page 12	Line 2+3 from bottom	*co-ordinate vector at station j* should be **the co-ordinate difference vector between station *j-1* and *j***
Page 13	Equation *{3.1-8}* line 1	$\varepsilon_X \varepsilon_X^T \approx [\,(\partial f_1/\partial I_0)^2 \varepsilon_{I0}^2 + (\partial f_1/\partial A_0)^2 \varepsilon_{A0}^2 + (\partial f_1/\partial D_0)^2 \varepsilon_{D0}^2\,]$
Page 25	Equation *{3.5-2}*	all $\ldots \Sigma_{j=j+1}^{j+k_1}[\ldots$ should be $\ldots \Sigma_{j=\Sigma_{l=1}^{k}(k_{l-1})+1}^{\Sigma_{l=1}^{k}(k_l)}[\ldots$
Page 54	Equation *{5.1.1.3-2}*	second line should be $\approx \sqrt{\frac{d\eta_a^2}{G^2 \sin^2 I} + 2\sin^2\tau\cos^2\tau dv_a^2}$
Page 64	Line 2 chapter 5.2.1.1	*true magnetic north* should be **true north**
Page 89	Equation *{6.1.1.3-2}*	$d\tau \approx \sqrt{\frac{d\eta_a^2}{G^2 \sin^2 I} + 2\sin^2\tau\cos^2\tau dv_a^2}$
Page 92	Equation *{6.1.1.4-7}*	$T_{x,\tau+180} \approx -\Omega\cos\phi(\cos I\cos A\cos\tau - \sin A\sin\tau) - \Omega\sin\phi\sin I\cos\tau$
	Equation *{6.1.1.4-13}*	$T_{y,\tau+180} \approx \Omega\cos\phi(\cos I\cos A\sin\tau + \sin A\cos\tau) + \Omega\sin\phi\sin I\sin\tau$
Page 93	Line 1	*earth angular rate at the equator* should be **earth angular rate**
Page 94	Equation *{6.1.1.4-26}*	$T_{z,\tau+180} \approx -\Omega\cos\phi(\cos I\cos A\sin\tau + \sin A\cos\tau) \div \Omega\sin\phi\sin I\sin\tau$
	Equation *{6.1.1.4-32}*	$T_{z,\tau+270} \approx \Omega\cos\phi(\cos I\cos A\cos\tau - \sin A\sin\tau) \div \Omega\sin\phi\sin I\cos\tau$
Page 119	Equation *{7.1-3}*	$dD_I = i_s d\beta_2$
	Equation *{7.1-4}*	$dD_{II} = i_s\sqrt{d\beta_1^2 + d\beta_3^2}$
Page 120	Line 2 paragraph 4	*and 0°C.* should be **and the surface reference temperature for thermal drill string expansion.**
Page 124	Equation *{7.2.4-4}*	$dD_X = 0.125 dD_{IX}$
Page 126	Equation *{7.2.5-6}*	$dD_{XIV} = 0.5 dD_{XIII}$
Page 141	Equation *{8.1.1-8}*	$d\tau \approx \sqrt{\frac{d\eta_a^2}{G^2 \sin^2 I} + 2\sin^2\tau\cos^2\tau dv_a^2}$
	Equation *{8.1.1-9}* line 2	$\approx -(\Delta\tau_j \cos I_j + \Delta t(\omega_{x,j}\sin\tau_j + \omega_{y,j}\cos\tau_j)\sin I_j - \Delta t\omega_{z,j}\cos I_j - \Delta t\Omega\sin\phi)$
Page 144	Equation *{8.1.2-2}*	$dA_7 = \frac{\partial A}{\partial I} dI + \frac{\partial A}{\partial \tau} d\tau \approx \frac{\sin\phi}{\cos\phi} dI - \cos I d\tau$
Page 147	Line 2 paragraph 3	*factor is 2.49* should be **factor is 2.45**
143	Last line	{8.1.1-1} to {8.1.1-7} should be {6.1.1.1-2} to {6.1.1.1-11}
145	Second line after 8.1.2-15	{8.1.1-1} to {8.1.1-6} should be {6.1.1.1-2} to {6.1.1.1-10}
109	Eq. {6.1.1.6-56}	ΔA_i should be ΔA_j
69	Eq. {5.2.2.1-2}	Squaring of one denominator missing
108	Eq {6.1.1.6-45}	$dA_{16_j} \approx dA_{16_{j-1}} \div \frac{\Delta t}{\sin I_j} \cdot d\bar{I}_{cal}$

6.1.1.5 -10 } strykende = delete last term
-11 }

-10 $d\bar{i}_x \rightarrow dg_x$

-11 $d\bar{i}_y \rightarrow dg_y$