

How do metrics handle mismatched data?

Drift and Differencing							Length Difference							Expected Position						
descA	odoA	eventA	Drift	1st Diff	eventB	odoB	descB	Odo A	Event A	Len A	ΔLen	Len B	Event B	Odo B	Odo A	Event A	Y_est	EstErr	Event B	Odo B
fitting at 90 de	123.31	fitting	-62.16		fitting	185.47	fitting at 90 de	123.31	fitting				fitting	185.47	123.31	fitting			fitting	185.47
	144.23	weld	-62.05	0.11	weld	206.28		144.23	weld	20.92	0.11	20.81	weld	206.28	144.23	weld			weld	206.28
	189.38	weld	-61.95	0.10		251.33		189.38	weld	45.15	0.10	45.05	weld	251.33	189.38	weld			weld	251.33
					agm	282.00	agm #15, sta.						agm	282.00					agm	282.00
casing begin -	224.41	casing	-62.52	-0.57	casing	286.93	casing begin -	224.41	casing	35.03	-0.57	35.60	casing	286.93	224.41	casing			casing	286.93
agm # 130, sta	228.91	agm						228.91	agm						228.91	agm				
	234.45	weld	-62.05	0.47	weld	296.50		234.45	weld	45.07	-0.10	45.17	weld	296.50	234.45	weld	243.34	8.89	weld	296.50
	279.53	weld	-61.97	0.08	weld	341.50		279.53	weld	45.08	0.08	45.00	weld	341.50	279.53	weld	288.10	8.57	weld	341.50
casing end - st	304.78	casing	-61.14	0.83	casing	365.92	casing end - st	304.78	casing	80.37	1.38	78.99	casing	365.92	304.78	casing	312.40	7.62	casing	365.92
	324.62	weld	-61.91	-0.77	weld	386.53		324.62	weld	45.09	0.06	45.03	weld	386.53	324.62	weld	332.90	8.28	weld	386.53
⋮	⋮	⋮	⋮	⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮
	5,141.97	weld	-57.89		weld	5,199.86		5,141.97	weld				weld	5,199.86	5,141.97	weld	5,121.46	-20.51	weld	5,199.86
bend left	5,177.37	bend	-58.48	-0.59	bend	5,235.85	bend left	5,177.37	bend	35.40	-0.59	35.99	bend	5,235.85	5,177.37	bend	5,157.27	-20.10	bend	5,235.85
	5,187.24	weld	-57.77	0.71	weld	5,245.01		5,187.24	weld	45.27	0.12	45.15	weld	5,245.01	5,187.24	weld	5,166.38	-20.86	weld	5,245.01
	5,232.59	weld	-57.61	0.16	weld	5,290.20		5,232.59	weld	45.35	0.16	45.19	weld	5,290.20	5,232.59	weld	5,211.34	-21.25	weld	5,290.20
	5,277.84	weld	-57.55	0.06	weld	5,335.39		5,277.84	weld	45.25	0.06	45.19	weld	5,335.39	5,277.84	weld	5,256.29	-21.55	weld	5,335.39
	5,322.99	weld	-57.53	0.02	weld	5,380.52		5,322.99	weld	45.15	0.02	45.13	weld	5,380.52	5,322.99	weld	5,301.19	-21.80	weld	5,380.52
	5,368.30	weld	-57.40	0.13	weld	5,425.70		5,368.30	weld	45.31	0.13	45.18	weld	5,425.70	5,368.30	weld	5,346.14	-22.16	weld	5,425.70
	5,413.55	weld	-57.35	0.05	weld	5,470.90		5,413.55	weld	45.25	0.05	45.20	weld	5,470.90	5,413.55	weld	5,391.11	-22.44	weld	5,470.90
	5,458.75	weld	-57.36	-0.01	weld	5,516.11		5,458.75	weld	45.20	-0.01	45.21	weld	5,516.11	5,458.75	weld	5,436.08	-22.67	weld	5,516.11
	5,503.99	weld	-57.31	0.05	weld	5,561.30		5,503.99	weld	45.24	0.05	45.19	weld	5,561.30	5,503.99	weld	5,481.04	-22.95	weld	5,561.30
	5,549.40	weld	-57.12	0.19	weld	5,606.52		5,549.40	weld	45.41	0.19	45.22	weld	5,606.52	5,549.40	weld	5,526.03	-23.37	weld	5,606.52
	5,594.59	weld	-57.05	0.07	weld	5,651.64		5,594.59	weld	45.19	0.07	45.12	weld	5,651.64	5,594.59	weld	5,570.92	-23.67	weld	5,651.64
bend right	5,625.34	bend	-56.27	0.78	bend	5,681.61	bend right	5,625.34	bend	30.75	0.78	29.97	bend	5,681.61	5,625.34	bend	5,600.73	-24.61	bend	5,681.61
	5,639.82	weld	-56.72	-0.45	weld	5,696.54		5,639.82	weld	45.23	0.33	44.90	weld	5,696.54	5,639.82	weld	5,615.59	-24.23	weld	5,696.54
					weld	5,735.35						38.81	weld	5,735.35					weld	5,735.35
					casing	5,748.70	casing begin -					13.35	casing	5,748.70					casing	5,748.70
agm # 140, sta	5,670.97	agm	-81.24	-24.52	agm	5,752.21	agm #16, sta.	5,670.97	agm	31.15	14.29	16.86	agm	5,752.21	5,670.97	agm	5,670.97	0.00	agm	5,752.21
	5,678.40	weld						5,678.40	weld	38.58					5,678.40	weld				
casing begin -	5,691.37	casing						5,691.37	casing	12.97	-0.38	13.35	casing	5,748.70	5,691.37	casing				
	5,700.47	weld	-56.92	24.32	weld	5,757.39		5,700.47	weld	22.07	0.03	22.04	weld	5,757.39	5,700.47	weld	5,676.22	-24.25	weld	5,757.39
	5,723.57	weld	-56.85	0.07	weld	5,780.42		5,723.57	weld	23.10	0.07	23.03	weld	5,780.42	5,723.57	weld	5,699.59	-23.98	weld	5,780.42
casing end - st	5,749.22	casing	-57.01	-0.16	casing	5,806.23	casing end - st	5,749.22	casing	57.85	0.32	57.53	casing	5,806.23	5,749.22	casing	5,725.77	-23.45	casing	5,806.23
	5,748.23	weld	-56.83	0.18	weld	5,805.06		5,748.23	weld	24.66	0.02	24.64	weld	5,805.06	5,748.23	weld	5,724.58	-23.65	weld	5,805.06
	5,774.62	weld	-56.78	0.05	weld	5,831.40		5,774.62	weld	26.39	0.05	26.34	weld	5,831.40	5,774.62	weld	5,751.30	-23.32	weld	5,831.40
bend left	5,803.41	bend	-59.17	-2.39	bend	5,862.58	bend left	5,803.41	bend	28.79	-2.39	31.18	bend	5,862.58	5,803.41	bend	5,782.93	-20.48	bend	5,862.58
	5,815.94	weld	-56.74	2.43	weld	5,872.68		5,815.94	weld	41.32	0.04	41.28	weld	5,872.68	5,815.94	weld	5,793.18	-22.76	weld	5,872.68
	5,861.09	weld	-56.78	-0.04	weld	5,917.87		5,861.09	weld	45.15	-0.04	45.19	weld	5,917.87	5,861.09	weld	5,839.02	-22.07	weld	5,917.87
	5,906.36	weld	-56.77	0.01	weld	5,963.13		5,906.36	weld	45.27	0.01	45.26	weld	5,963.13	5,906.36	weld	5,884.93	-21.43	weld	5,963.13
	5,951.66	weld	-56.72	0.05	weld	6,008.38		5,951.66	weld	45.30	0.05	45.25	weld	6,008.38	5,951.66	weld	5,930.84	-20.82	weld	6,008.38
	5,996.96	weld	-56.57	0.15	weld	6,053.53		5,996.96	weld	45.30	0.15	45.15	weld	6,053.53	5,996.96	weld	5,976.64	-20.32	weld	6,053.53
	6,024.95	weld	-56.51	0.06	weld	6,081.46		6,024.95	weld	27.99	0.06	27.93	weld	6,081.46	6,024.95	weld	6,004.97	-19.98	weld	6,081.46
	6,070.26	weld	-56.32	0.19	weld	6,126.58		6,070.26	weld	45.31	0.19	45.12	weld	6,126.58	6,070.26	weld	6,050.74	-19.52	weld	6,126.58
	6,115.44	weld	-56.14	0.18	weld	6,171.58		6,115.44	weld	45.18	0.18	45.00	weld	6,171.58	6,115.44	weld	6,096.39	-19.05	weld	6,171.58
	6,160.74	weld	-55.96	0.18	weld	6,216.70		6,160.74	weld	45.30	0.18	45.12	weld	6,216.70	6,160.74	weld	6,142.16	-18.58	weld	6,216.70
	6,205.90	weld	-55.87	0.09	weld	6,261.77		6,205.90	weld	45.16	0.09	45.07	weld	6,261.77	6,205.90	weld	6,187.88	-18.02	weld	6,261.77
	6,251.13	weld	-55.75	0.12	weld	6,306.88		6,251.13	weld	45.23	0.12	45.11	weld	6,306.88	6,251.13	weld	6,233.64	-17.49	weld	6,306.88
	6,296.29	weld	-55.72	0.03	weld	6,352.01		6,296.29	weld	45.16	0.03	45.13	weld	6,352.01	6,296.29	weld	6,279.42	-16.87	weld	6,352.01
	6,341.55	weld	-55.58	0.14	weld	6,397.13		6,341.55	weld	45.26	0.14	45.12	weld	6,397.13	6,341.55	weld	6,325.19	-16.36	weld	6,397.13
	6,386.81	weld	-55.44	0.14	weld	6,442.25		6,386.81	weld	45.26	0.14	45.12	weld	6,442.25	6,386.81	weld	6,370.96	-15.85	weld	6,442.25
	6,432.09	weld	-55.32	0.12	weld	6,487.41		6,432.09	weld	45.28	0.12	45.16	weld	6,487.41	6,432.09	weld	6,416.77	-15.32	weld	6,487.41
	6,465.14	weld	-55.25	0.07	weld	6,520.39		6,465.14	weld	33.05	0.07	32.98	weld	6,520.39	6,465.14	weld	6,450.23	-14.91	weld	6,520.39
	6,508.52	weld	-55.02	0.23	weld	6,563.54		6,508.52	weld	43.38	0.23	43.15	weld	6,563.54	6,508.52	weld	6,494.00	-14.52	weld	6,563.54
	6,553.83	weld	-54.78	0.24	weld	6,608.61		6,553.83	weld	45.31	0.24	45.07	weld	6,608.61	6,553.83	weld	6,539.72	-14.11	weld	6,608.61
	6,579.72	weld	-54.72	0.06	weld	6,634.44		6,579.72	weld	25.89	0.06	25.83	weld	6,634.44	6,579.72	weld	6,565.93	-13.79	weld	6,634.44
	6,622.65	weld	-54.61	0.11	weld	6,677.26		6,622.65	weld	42.93	0.11	42.82	weld	6,677.26	6,622.65	weld	6,609.36	-13.29	weld	6,677.26
	6,630.85	weld	-54.58	0.03	weld	6,685.43		6,630.85	weld	8.20	0.03	8.17	weld	6,685.43	6,630.85	weld	6,617.65	-13.20	weld	6,685.43
	6,638.85	weld	-54.57	0.01	weld	6,693.42		6,638.85	weld	8.00	0.01	7.99	weld	6,693.42	6,638.85	weld	6,625.76	-13.09	weld	6,693.42
bend left	6,669.32	bend	-54.84	-0.27	bend	6,724.16	bend left	6,669.32	bend	30.47	-0.27	30.74	bend	6,724.16	6,669.32	bend	6,656.94	-12.38	bend	6,724.16
	6,678.56	weld	-54.40	0.44	weld	6,732.96		6,678.56	weld	39.71	0.17	39.54	weld	6,732.96	6,678.56	weld	6,665.87	-12.69	weld	6,732.96
					misc	6,768.82	tool stopped					misc	6,768.82						misc	6,768.82
bend left	6,686.68	bend						6,686.68	bend	8.12					6,686.68	bend				
	6,719.75	weld	-53.98	0.42	weld	6,773.73		6,719.75	weld	41.19	0.42	40.77	weld	6,773.73	6,719.75	weld	6,707.22	-12.53	weld	6,773.73
wt change	6,719.77	pipe						6,719.77	pipe	0.02					6,719.77	pipe				
	6,721.76	weld	-52.39	1.59	weld	6,774.15		6,721.76	weld	2.01	1.59	0.42								