Residuals of Model C07-2

Absolute Values of Residuals of Model C07-2
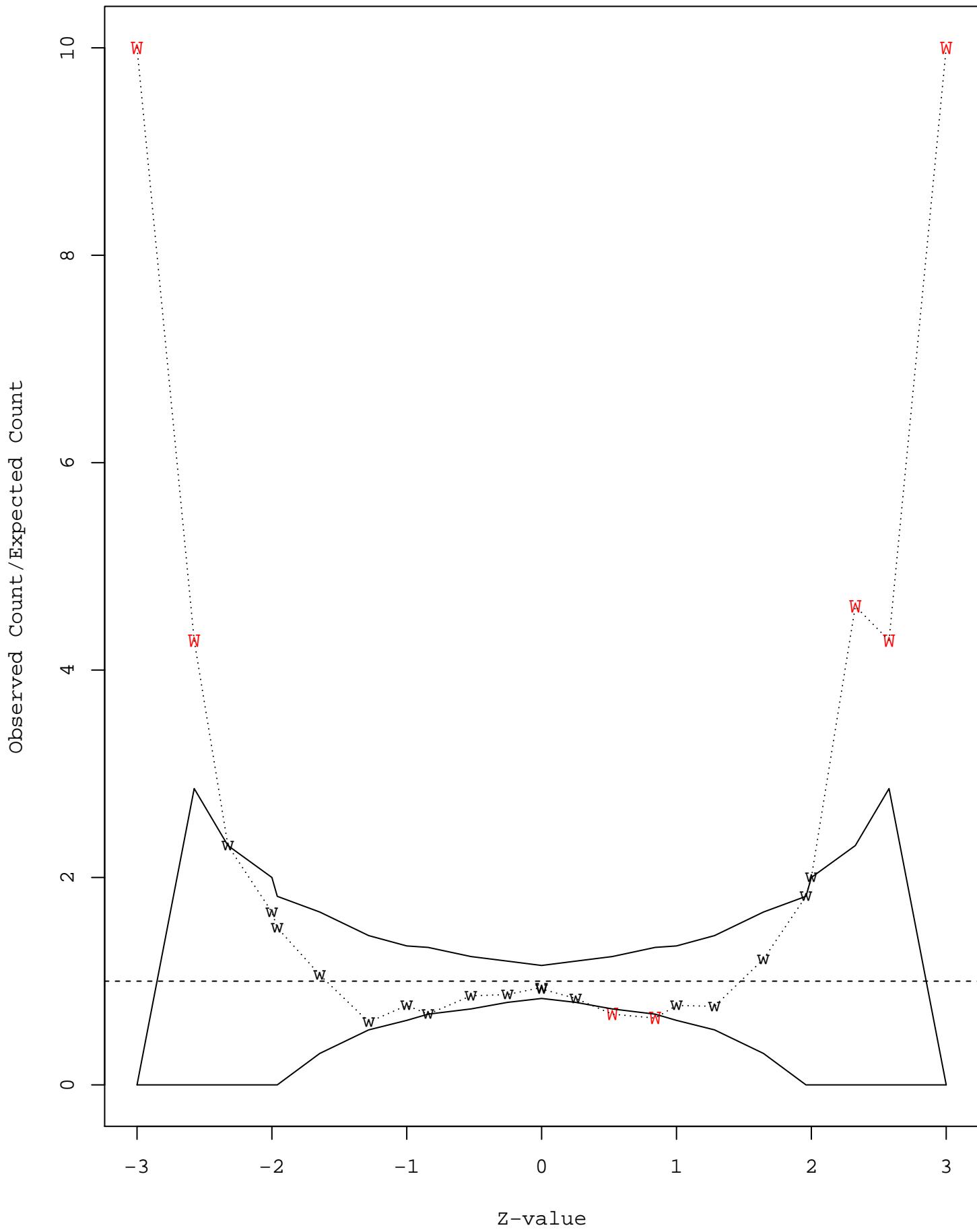
Distribution of Residuals of Model C07-2

Shapiro-Wilk test p-value = 1.226e-05

WRES SD = 1.058

Shapiro-Wilk test p-value = 2.696e-06

CWRES SD = 1.003

Shapiro-Wilk test p-value = 3.589e-08

IWRES SD = 0.9152
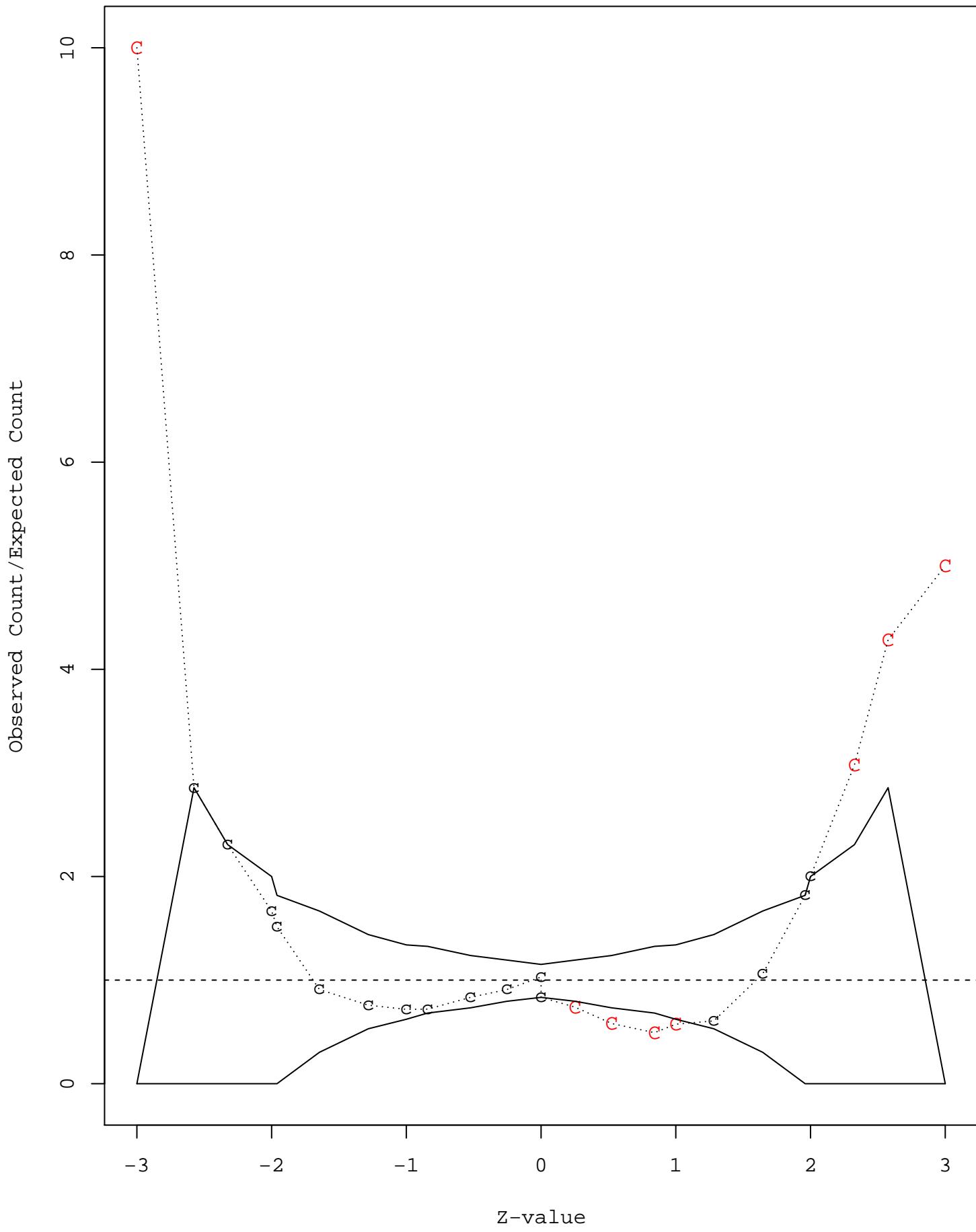
Test of residual counts using binomial distribution

|	Z-value	Percent	Expected	LB	UB	WRES Cnt	WRES p-val	CWRE Cnt	CWRE p-val	IWRE Cnt	IWRE p-val
[1,]	-3.000	0.13	0.2	0	0	2	0.001	2	0.001	2	0.001
[2,]	-2.576	0.50	0.7	0	2	3	0.005	2	0.029	2	0.029
[3,]	-2.326	1.00	1.3	0	3	3	0.044	3	0.044	2	0.147
[4,]	-2.000	2.28	3.0	0	6	5	0.082	5	0.082	5	0.082
[5,]	-1.960	2.50	3.3	0	6	5	0.115	5	0.115	5	0.115
[6,]	-1.645	5.00	6.6	2	11	7	0.340	6	0.492	5	0.349
[7,]	-1.282	10.00	13.2	7	19	8	0.080	10	0.221	7	0.041
[8,]	-1.000	15.87	20.9	13	28	16	0.144	15	0.094	9	0.001
[9,]	-0.842	20.00	26.4	18	35	18	0.038	19	0.063	16	0.012
[10,]	-0.524	30.00	39.6	29	49	34	0.167	33	0.122	28	0.015
[11,]	-0.253	40.00	52.8	42	63	46	0.131	48	0.223	47	0.173
[12,]	0.000	50.00	66.0	55	76	62	0.271	68	0.332	59	0.129
[13,]	0.000	50.00	66.0	55	76	61	0.217	55	0.034	64	0.397
[14,]	0.253	40.00	52.8	42	63	44	0.069	39	0.008	36	0.002
[15,]	0.524	30.00	39.6	29	49	27	0.009	23	0.001	19	0.000
[16,]	0.842	20.00	26.4	18	35	17	0.022	13	0.001	10	0.000
[17,]	1.000	15.87	20.9	13	28	16	0.144	12	0.017	9	0.001
[18,]	1.282	10.00	13.2	7	19	10	0.221	8	0.080	7	0.041
[19,]	1.645	5.00	6.6	2	11	8	0.216	7	0.340	5	0.349
[20,]	1.960	2.50	3.3	0	6	6	0.049	6	0.049	5	0.115
[21,]	2.000	2.28	3.0	0	6	6	0.032	6	0.032	4	0.183
[22,]	2.326	1.00	1.3	0	3	6	0.000	4	0.011	3	0.044
[23,]	2.576	0.50	0.7	0	2	3	0.005	3	0.005	2	0.029
[24,]	3.000	0.13	0.2	0	0	2	0.001	1	0.014	1	0.014
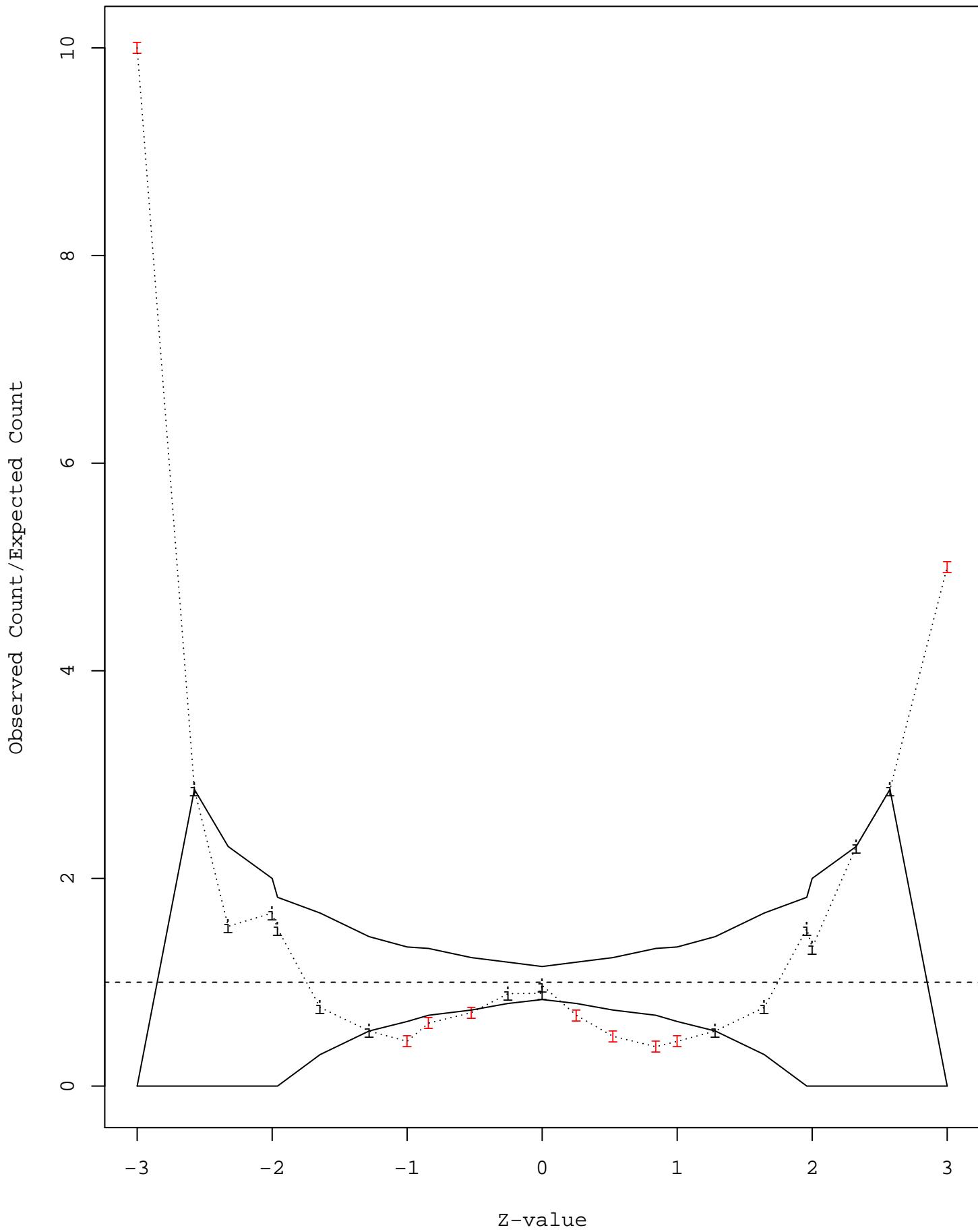
Ratio of WRES Count to Expected Count

Ratio of CWRES Count to Expected Count

Ratio of IWRES Count to Expected Count

Extreme WRES values larger than 3

ID	TIME	DV	PRED	IPRE	WRES	CWRE	IWRE
15	2	0.27	1.72	3.3048	4.0535	−3.3215	−3.2406	−3.44120
51	5	0.30	2.02	4.7759	4.1687	−3.1512	−3.2480	−3.16840
53	5	1.00	11.40	9.6000	8.7037	3.8657	3.8119	3.95080
99	9	0.30	7.37	2.5265	6.9078	3.3533	2.2003	0.67924

Extreme WRES values larger than 2

	ID	TIME	DV	PRED	IPRE	WRES	CWRE	IWRE
5	1	1.12	10.50	6.8227	9.1451	2.4887	2.4037	1.98360
15	2	0.27	1.72	3.3048	4.0535	-3.3215	-3.2406	-3.44120
16	2	0.52	7.91	5.2511	6.1294	2.6883	2.8332	2.61990
39	4	0.35	1.89	4.0231	3.4589	-2.2411	-2.4578	-2.31480
41	4	1.07	8.60	7.3677	6.9416	2.4072	2.3155	2.43730
51	5	0.30	2.02	4.7759	4.1687	-3.1512	-3.2480	-3.16840
53	5	1.00	11.40	9.6000	8.7037	3.8657	3.8119	3.95080
88	8	0.52	3.05	5.4063	4.4678	-2.1923	-2.2592	-2.09010
99	9	0.30	7.37	2.5265	6.9078	3.3533	2.2003	0.67924
100	9	0.63	9.03	4.1338	7.5460	2.4551	2.6747	2.17890
114	10	2.05	7.83	10.0720	8.7431	-2.7956	-1.7489	-1.33790
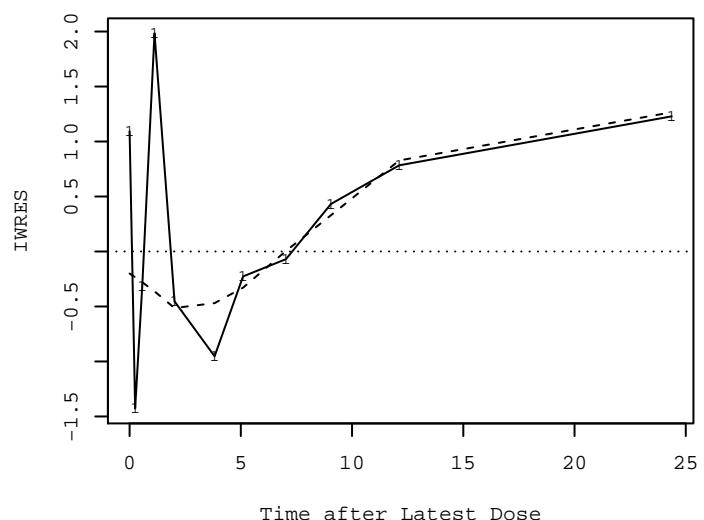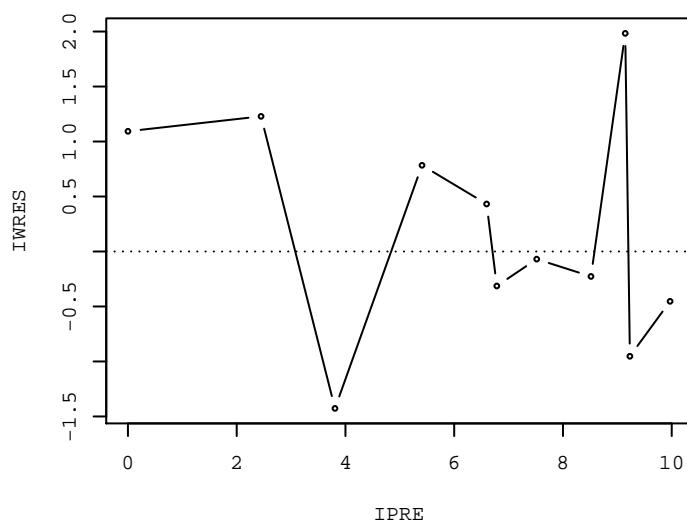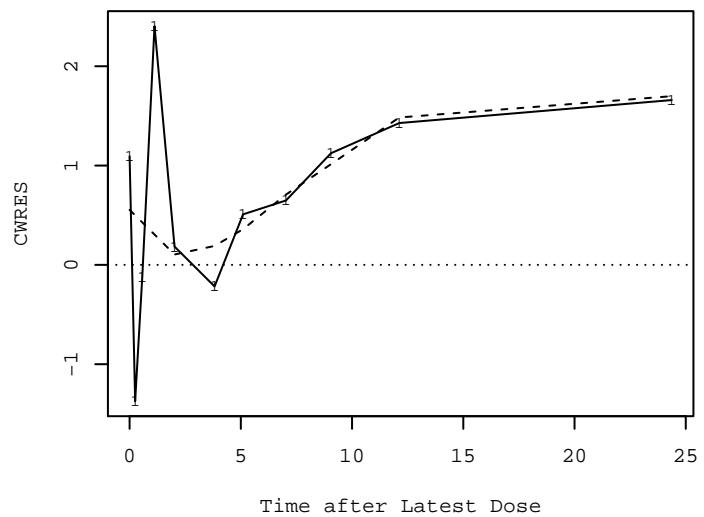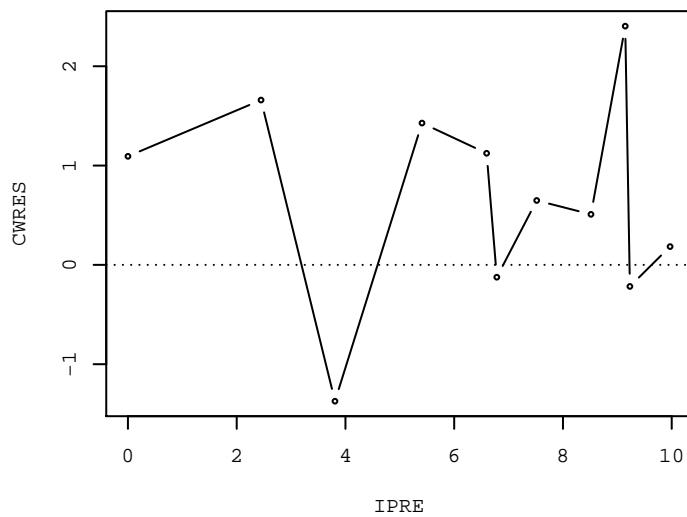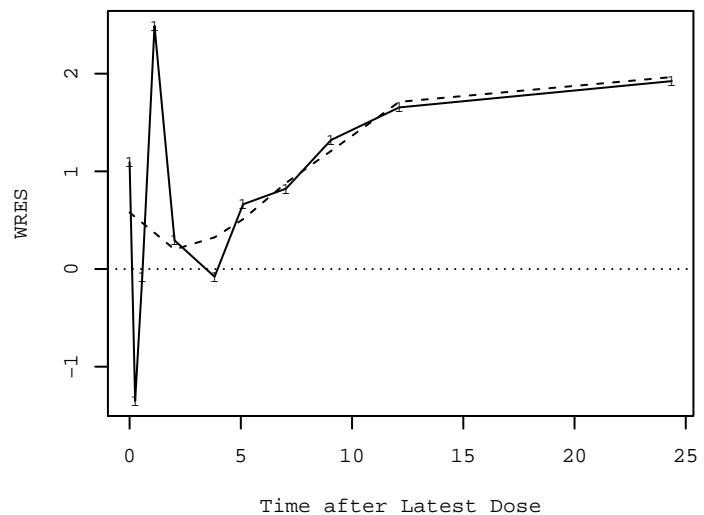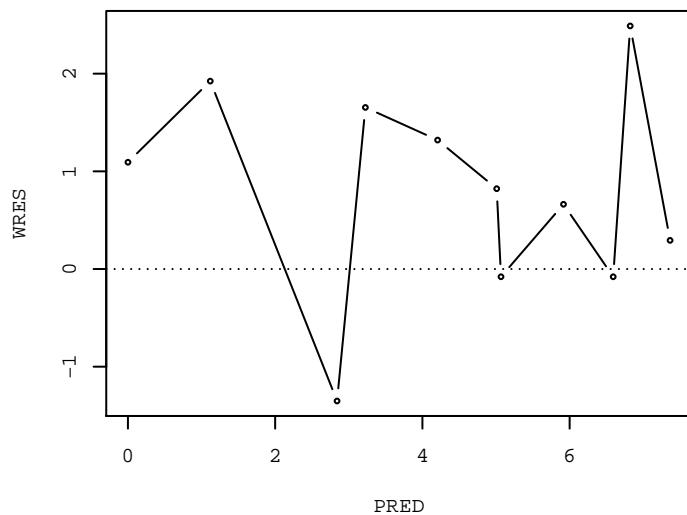
Extreme CWRE values larger than 2

ID	TIME	DV	PRED	IPRE	WRES	CWRE	IWRE
5	1 1.12	10.50	6.8227	9.1451	2.4887	2.4037	1.98360
15	2 0.27	1.72	3.3048	4.0535	-3.3215	-3.2406	-3.44120
16	2 0.52	7.91	5.2511	6.1294	2.6883	2.8332	2.61990
39	4 0.35	1.89	4.0231	3.4589	-2.2411	-2.4578	-2.31480
41	4 1.07	8.60	7.3677	6.9416	2.4072	2.3155	2.43730
51	5 0.30	2.02	4.7759	4.1687	-3.1512	-3.2480	-3.16840
53	5 1.00	11.40	9.6000	8.7037	3.8657	3.8119	3.95080
88	8 0.52	3.05	5.4063	4.4678	-2.1923	-2.2592	-2.09010
99	9 0.30	7.37	2.5265	6.9078	3.3533	2.2003	0.67924
100	9 0.63	9.03	4.1338	7.5460	2.4551	2.6747	2.17890
135	12 0.25	1.25	3.7450	2.6116	-1.7206	-2.2162	-2.01010

Extreme IWRE values larger than 2
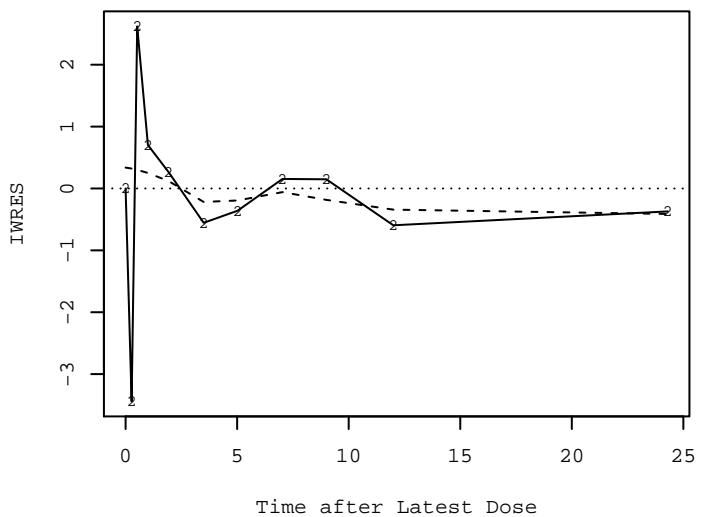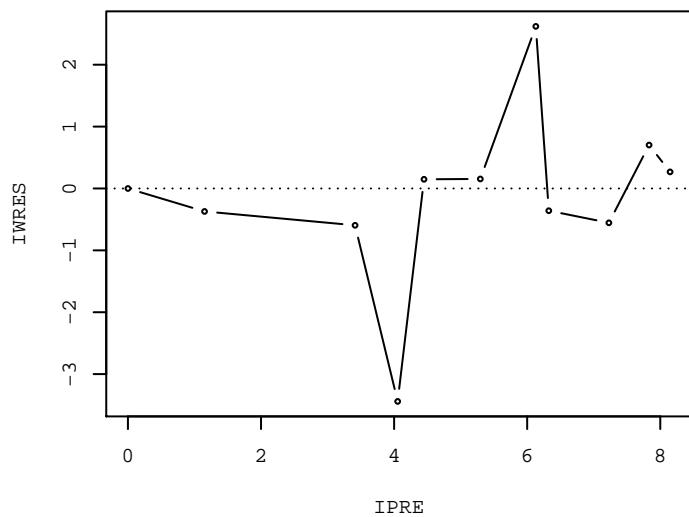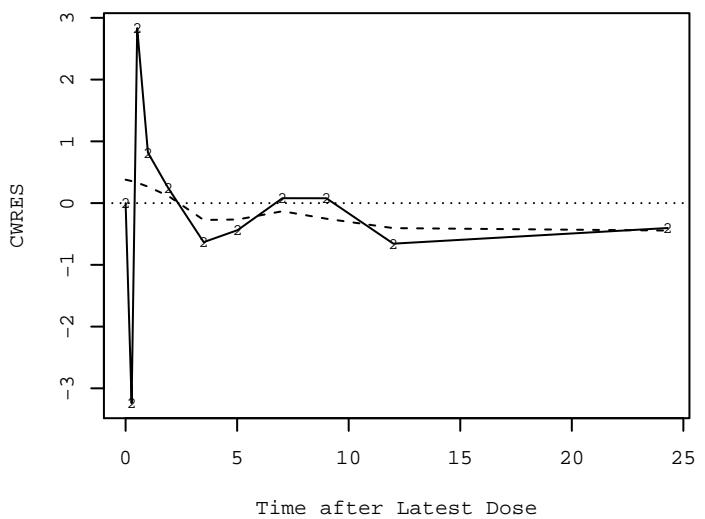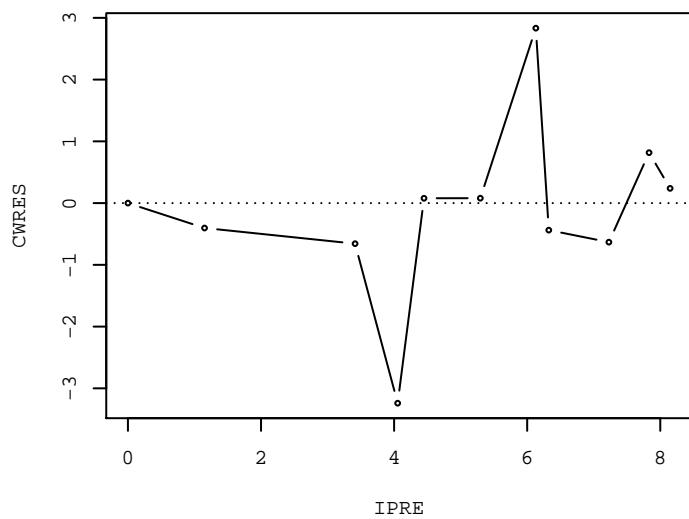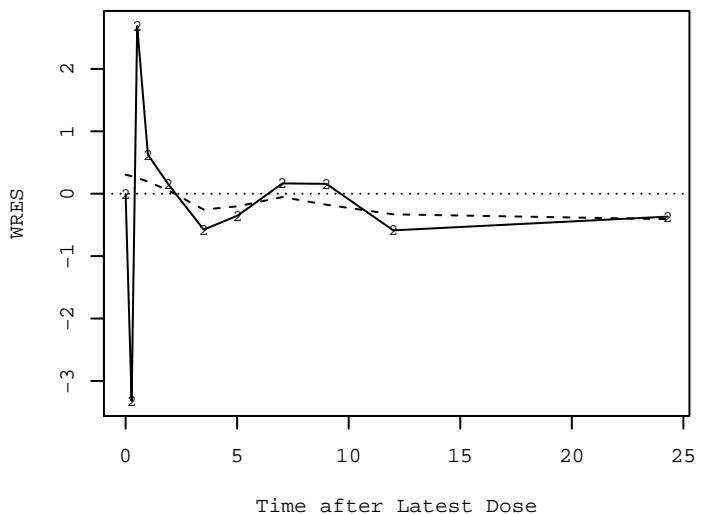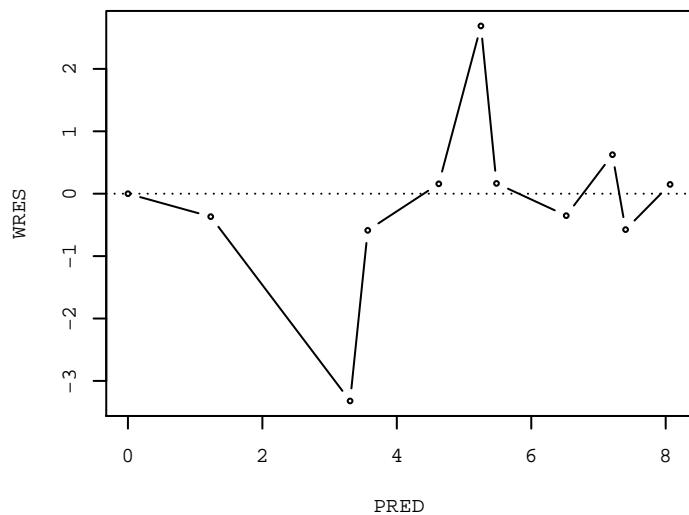
	ID	TIME	DV	PRED	IPRE	WRES	CWRE	IWRE
15	2	0.27	1.72	3.3048	4.0535	-3.3215	-3.2406	-3.4412
16	2	0.52	7.91	5.2511	6.1294	2.6883	2.8332	2.6199
39	4	0.35	1.89	4.0231	3.4589	-2.2411	-2.4578	-2.3148
41	4	1.07	8.60	7.3677	6.9416	2.4072	2.3155	2.4373
51	5	0.30	2.02	4.7759	4.1687	-3.1512	-3.2480	-3.1684
53	5	1.00	11.40	9.6000	8.7037	3.8657	3.8119	3.9508
88	8	0.52	3.05	5.4063	4.4678	-2.1923	-2.2592	-2.0901
100	9	0.63	9.03	4.1338	7.5460	2.4551	2.6747	2.1789
135	12	0.25	1.25	3.7450	2.6116	-1.7206	-2.2162	-2.0101

Individiual Residual Curve, ID = 1
IOFV = 14.0563 , OFV per DV = 1.2778 , Run Test(CWRES) p = 0.764
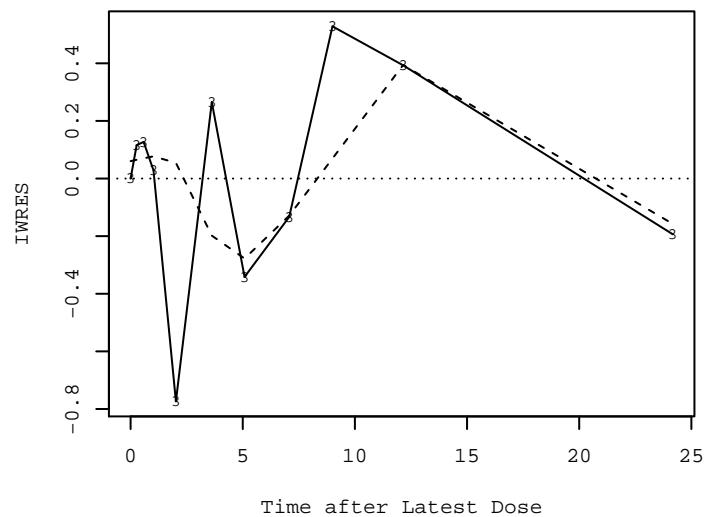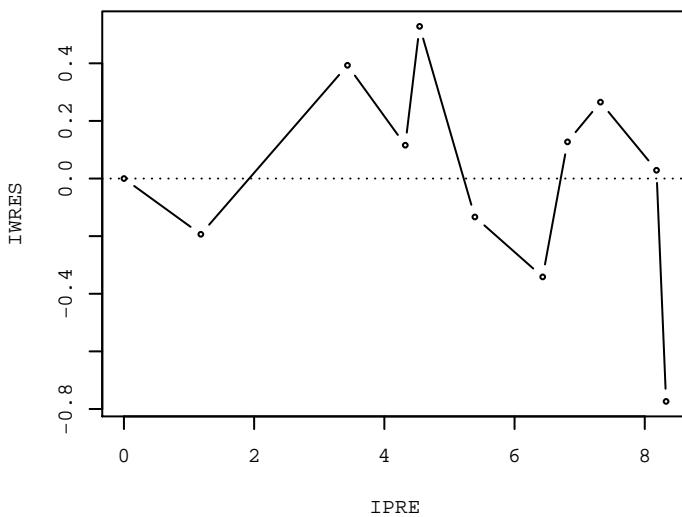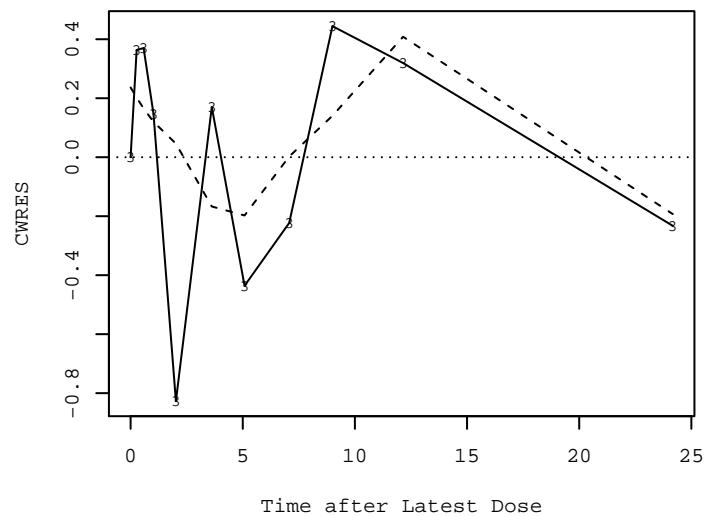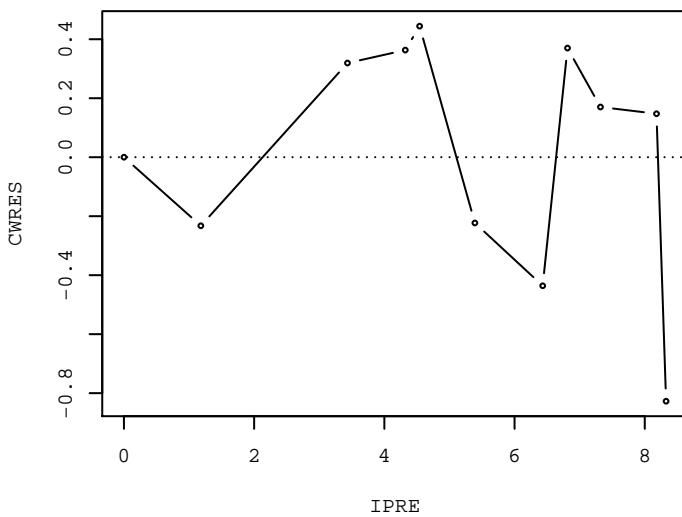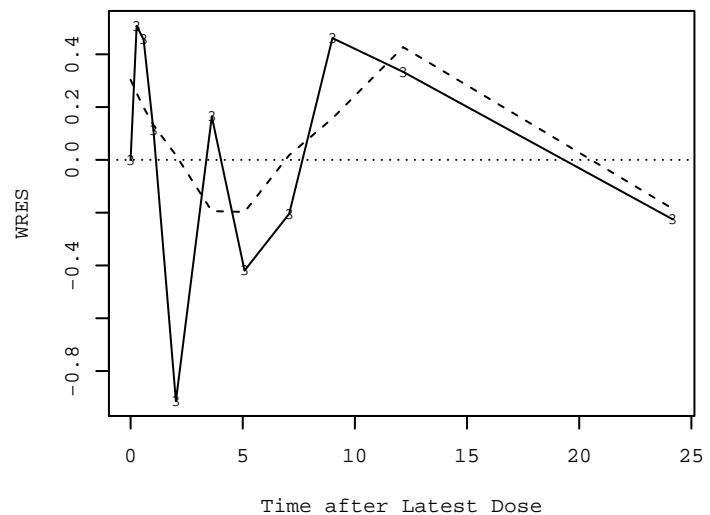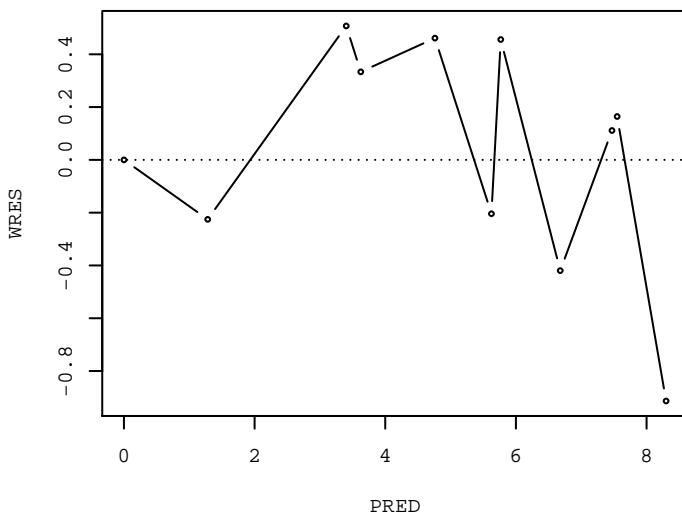

*Fractional number means dosing occasion.

# Individiual Residual Curve, ID = 2
IOFV = 18.0143 , OFV per DV = 1.6377 , Run Test(CWRES) p = 0.357
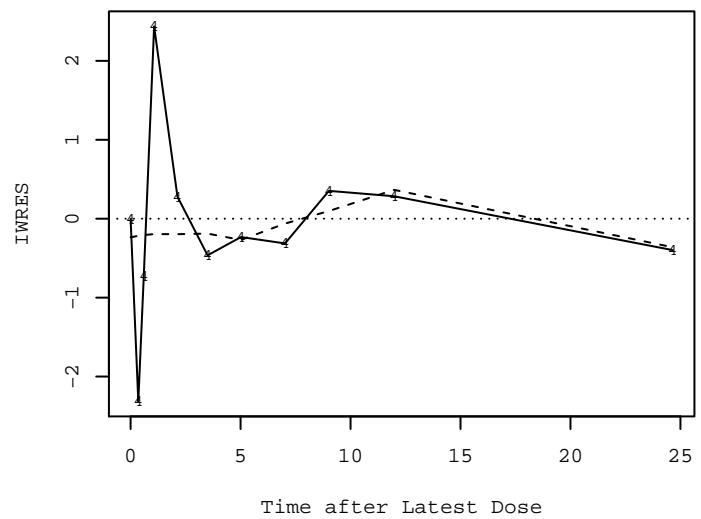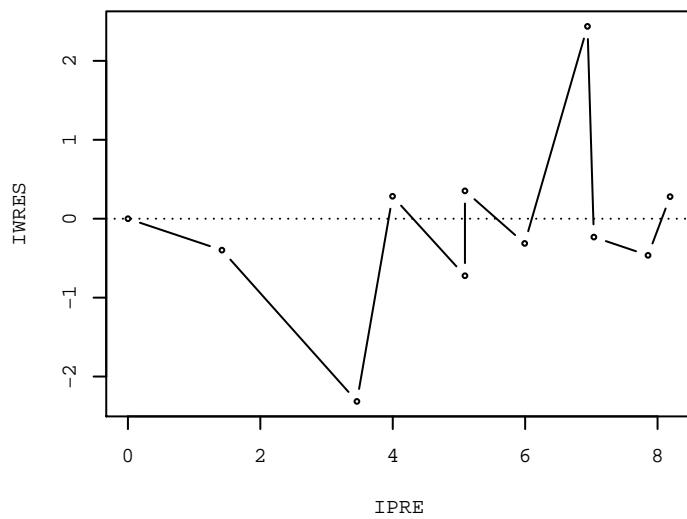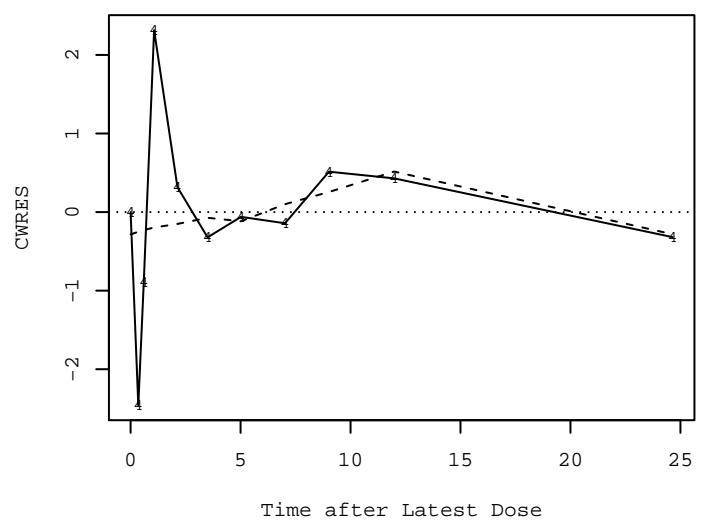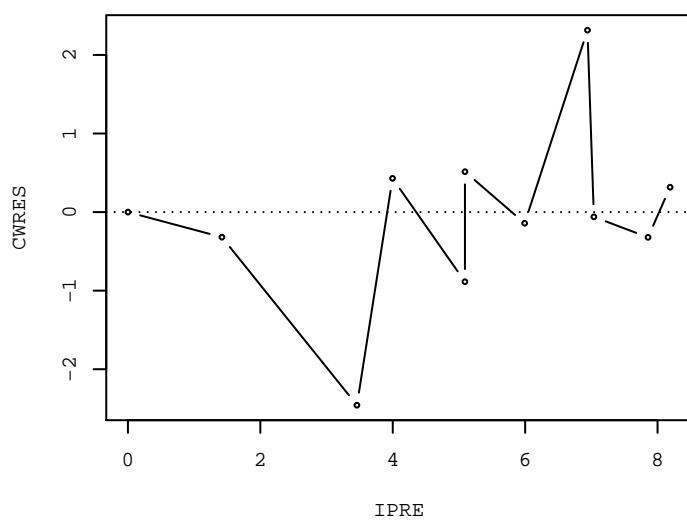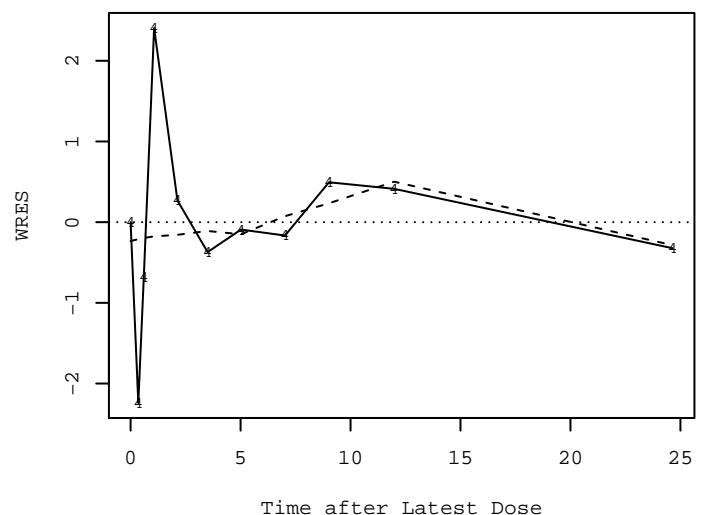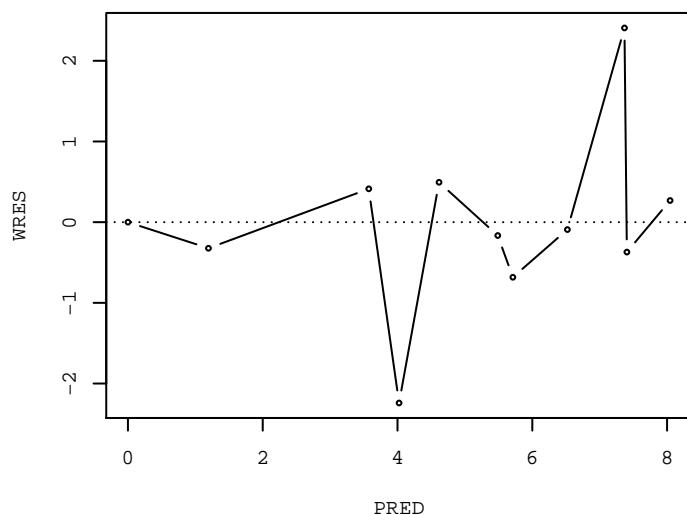
*Fractional number means dosing occasion.

Individiual Residual Curve, ID = 3
IOFV = −0.772177 , OFV per DV = −0.070198 , Run Test(CWRES) p = 0.595
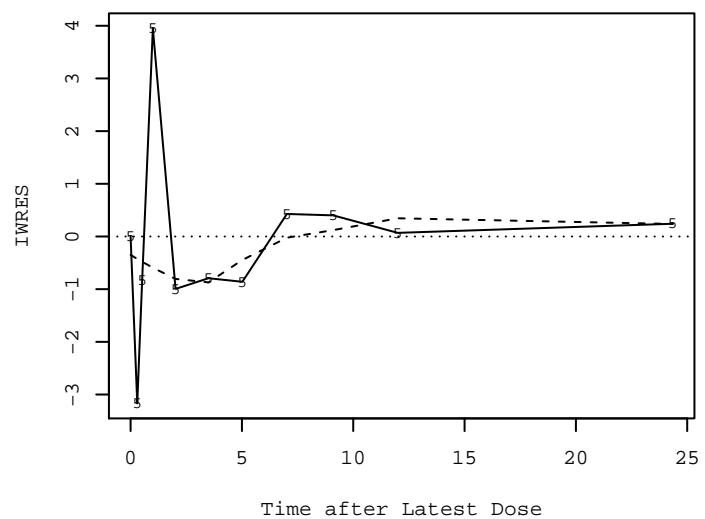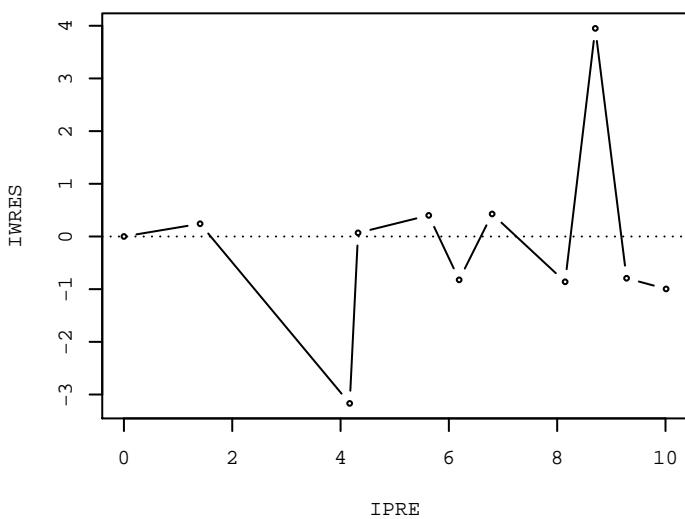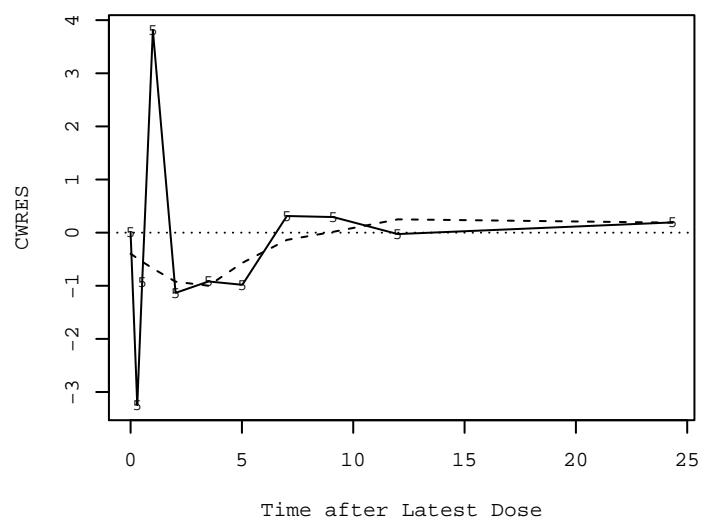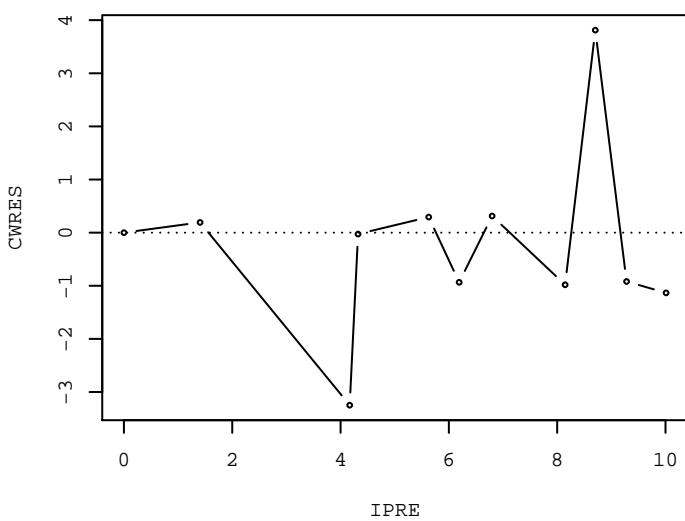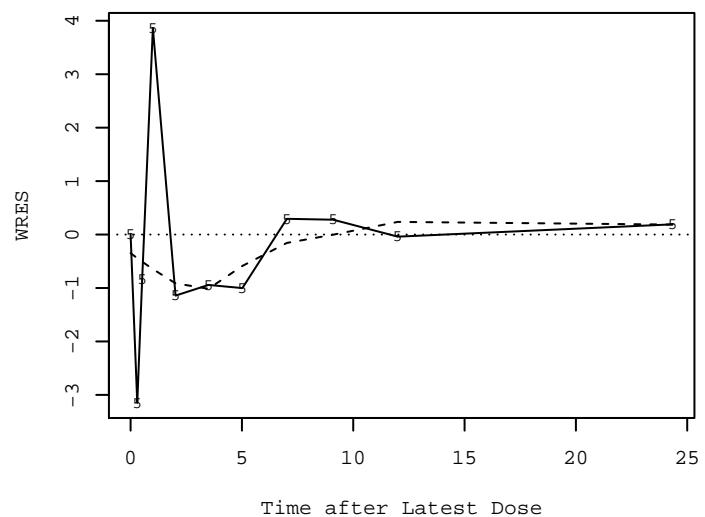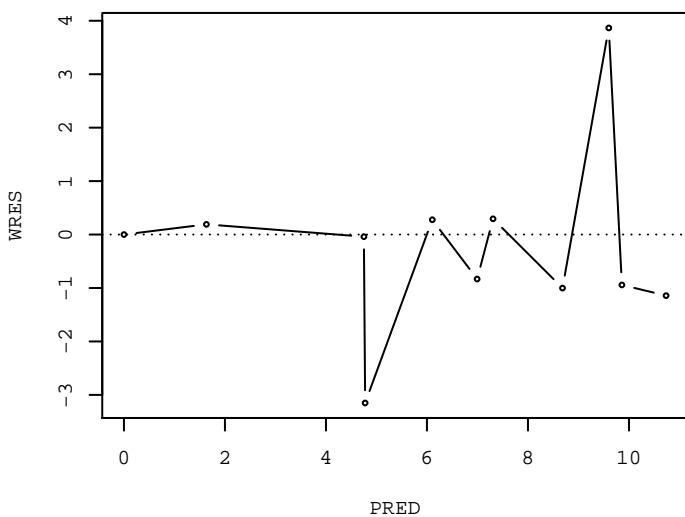
*Fractional number means dosing occasion.

Individiual Residual Curve, ID = 4
IOFV = 10.8011 , OFV per DV = 0.98192 , Run Test(CWRES) p = 0.405
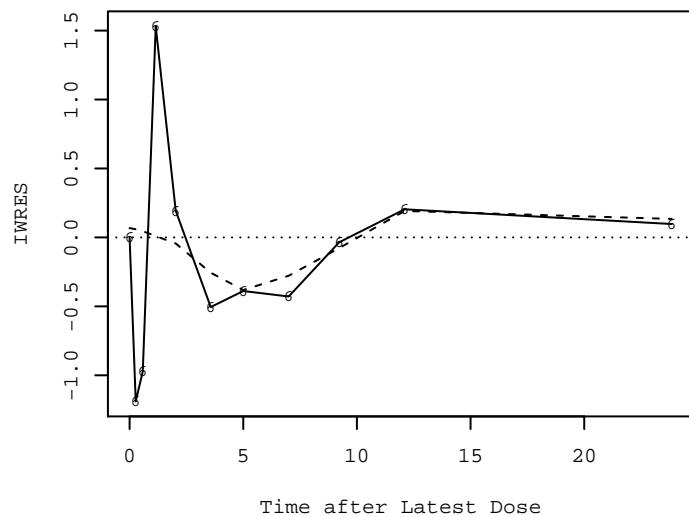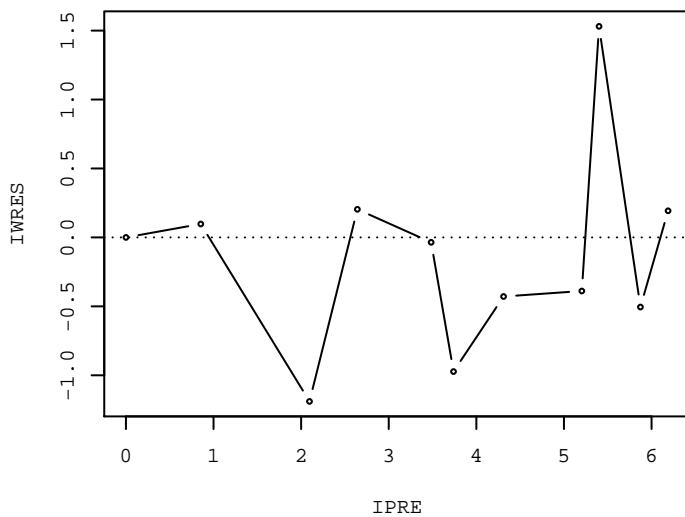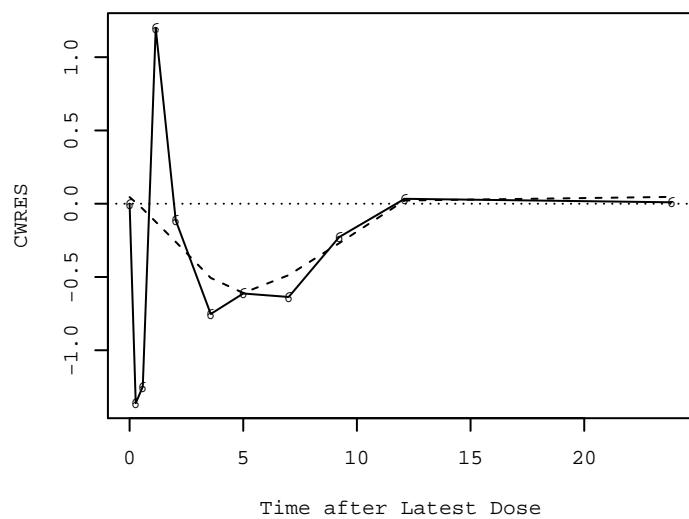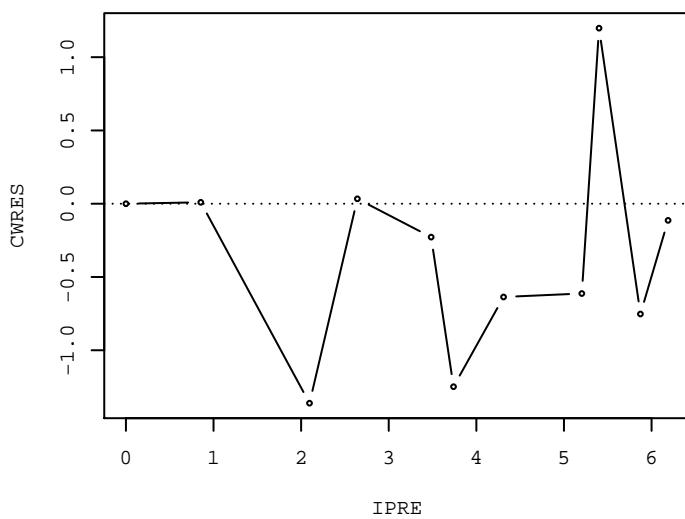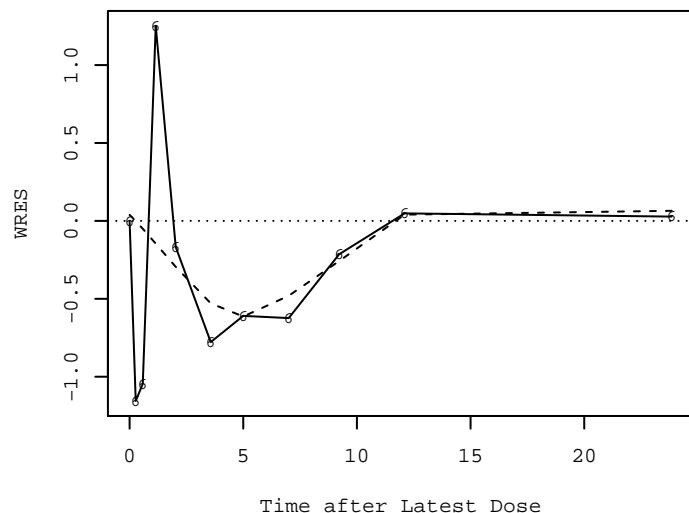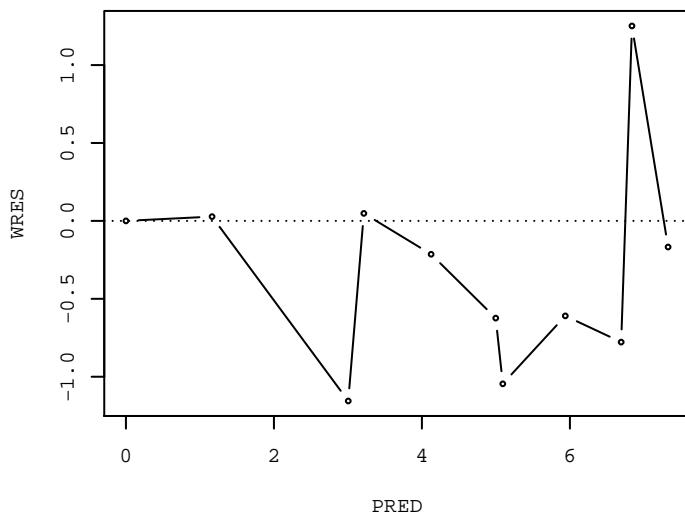
*Fractional number means dosing occasion.
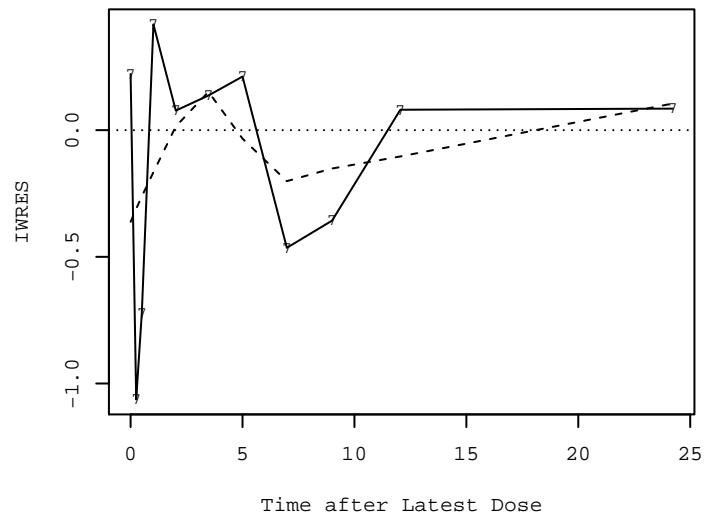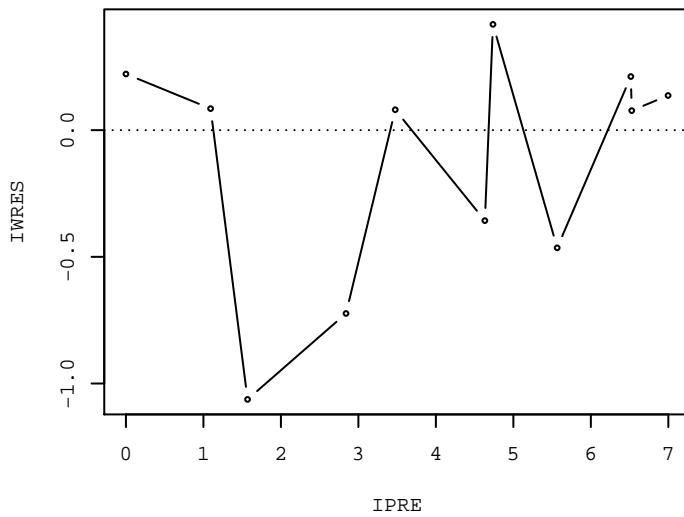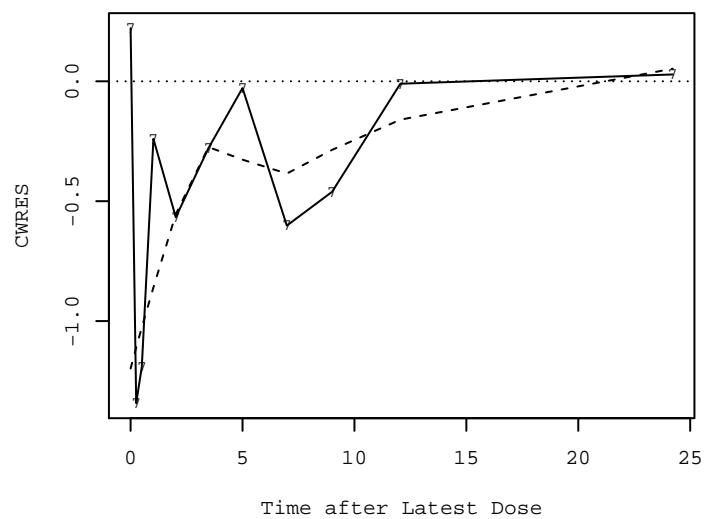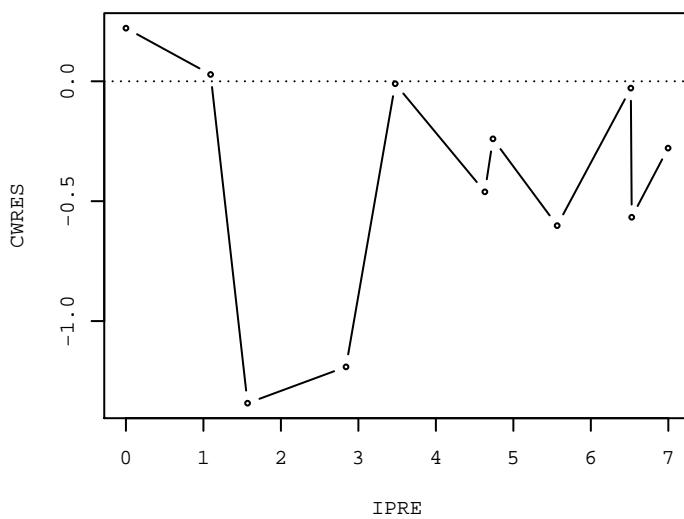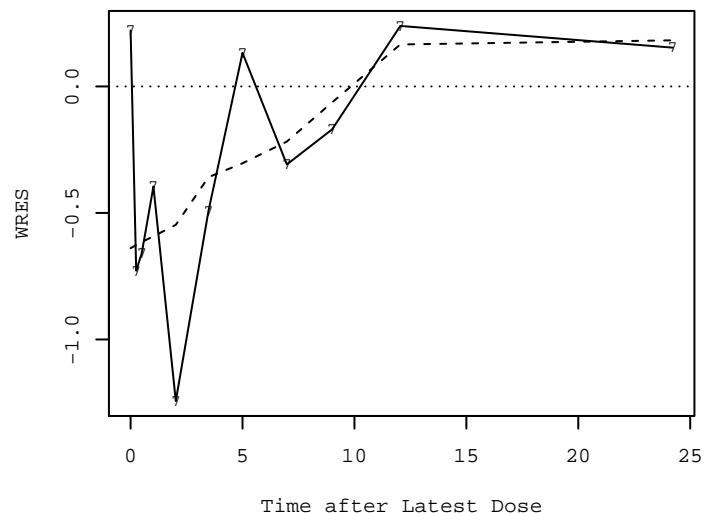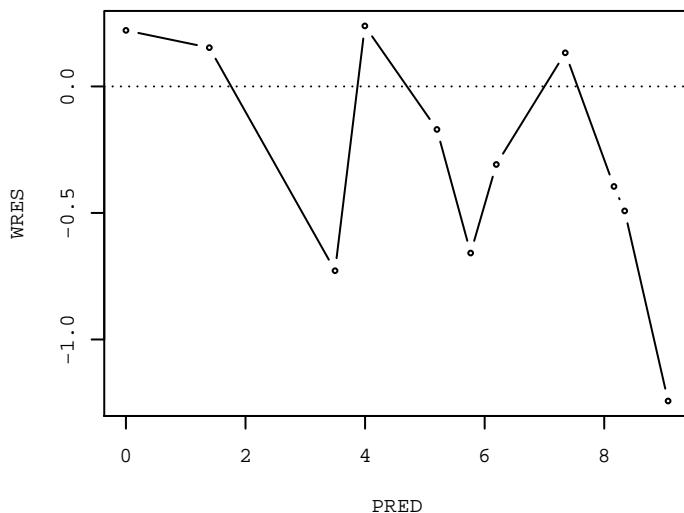
Individiual Residual Curve, ID = 5
IOFV = 27.8104 , OFV per DV = 2.5282 , Run Test(CWRES) p = 0.595


*Fractional number means dosing occasion.

# Individiual Residual Curve, ID = 6
IOFV = 2.99907 , OFV per DV = 0.27264 , Run Test(CWRES) p = 0.283


*Fractional number means dosing occasion.
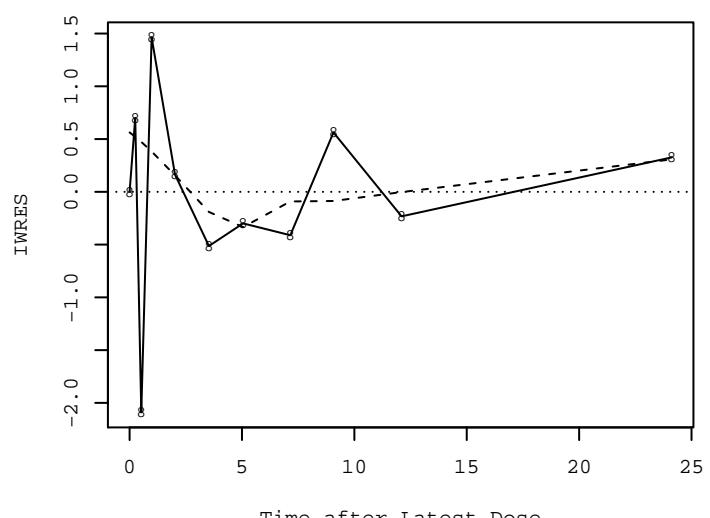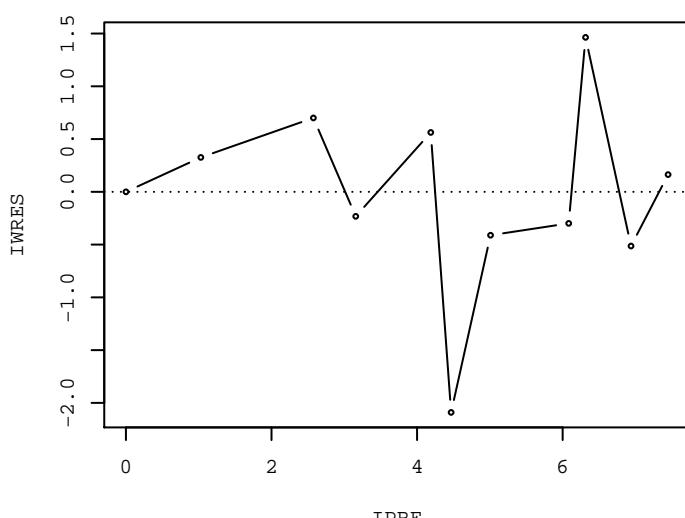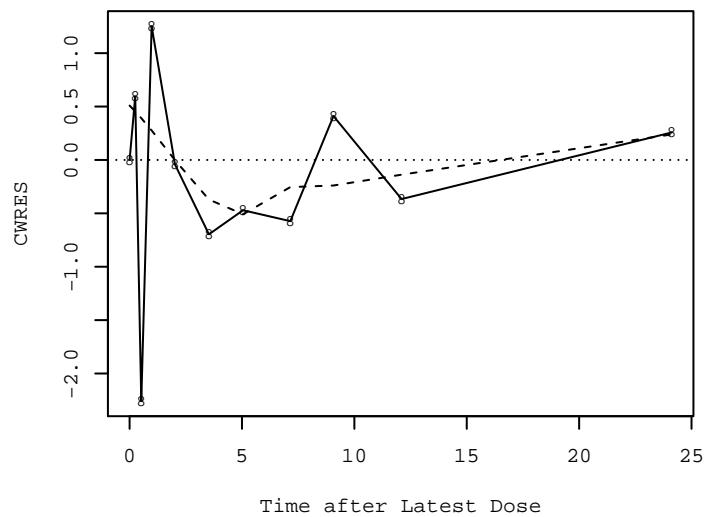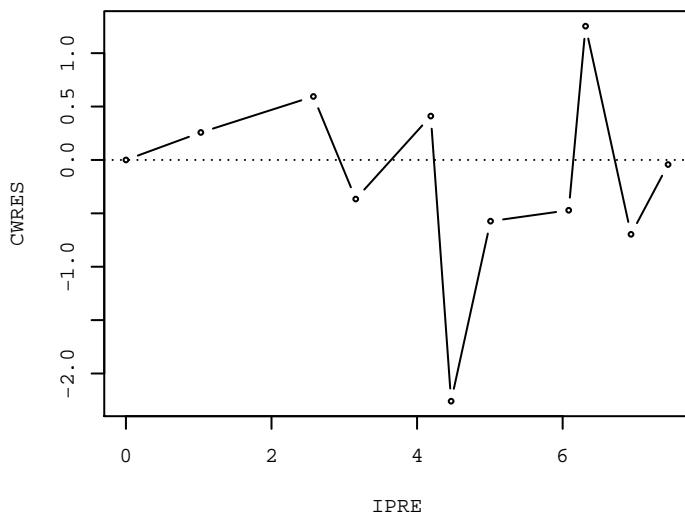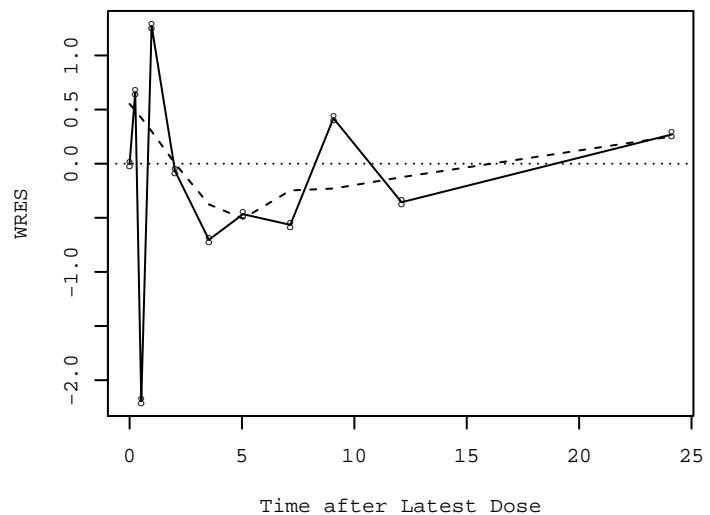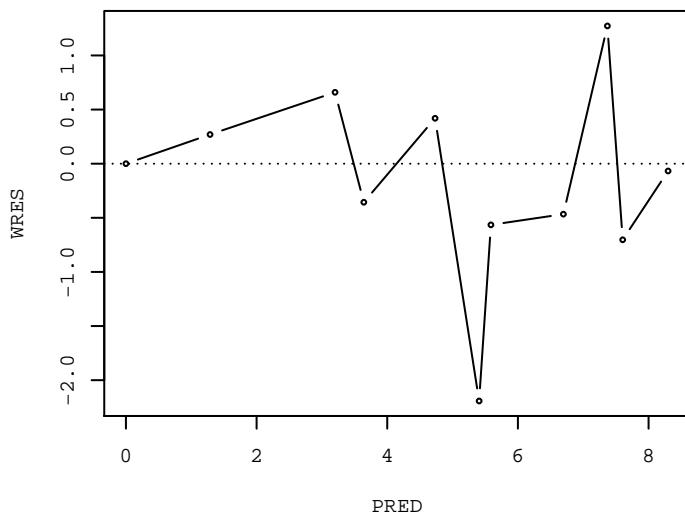
Individiual Residual Curve, ID = 7
IOFV = 1.66516 , OFV per DV = 0.15138 , Run Test(CWRES) p = 0.2
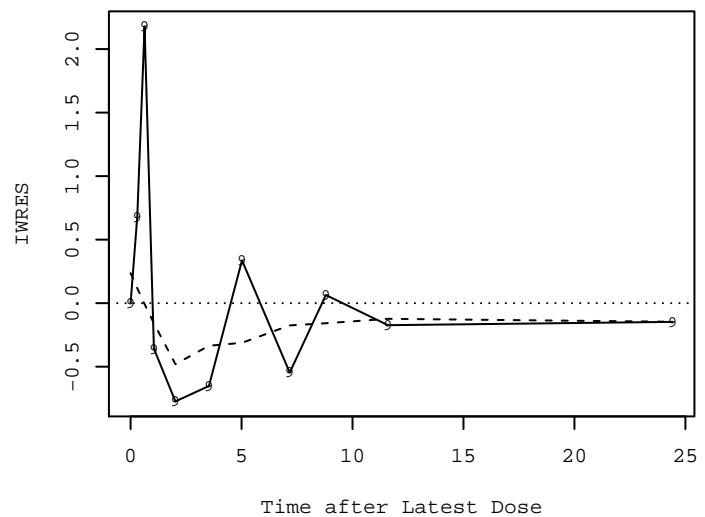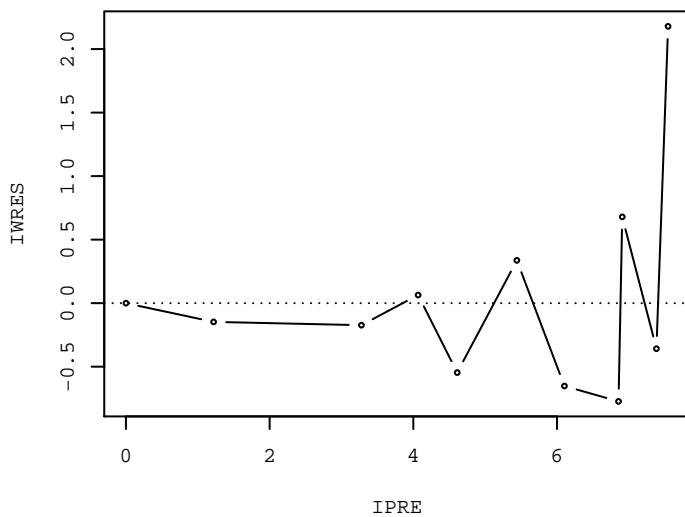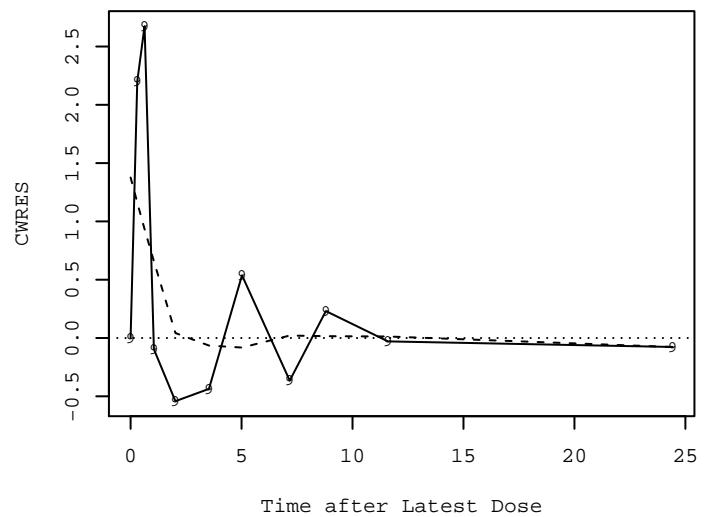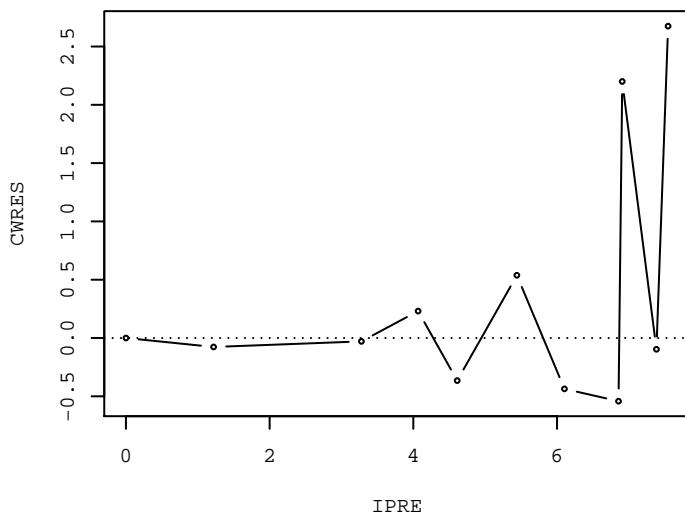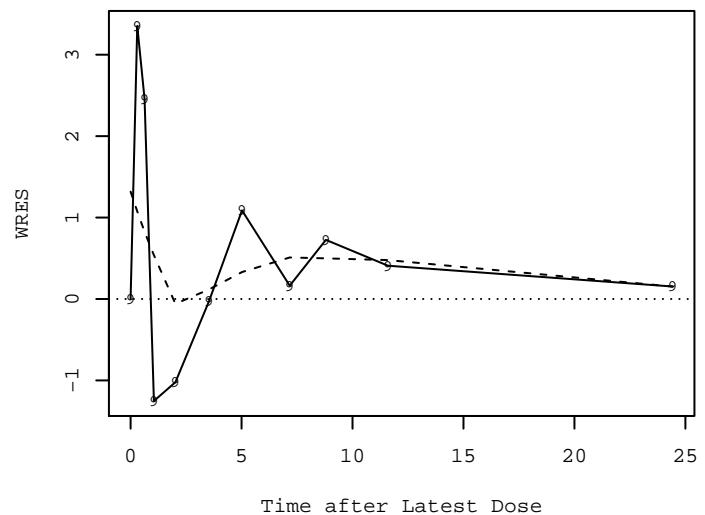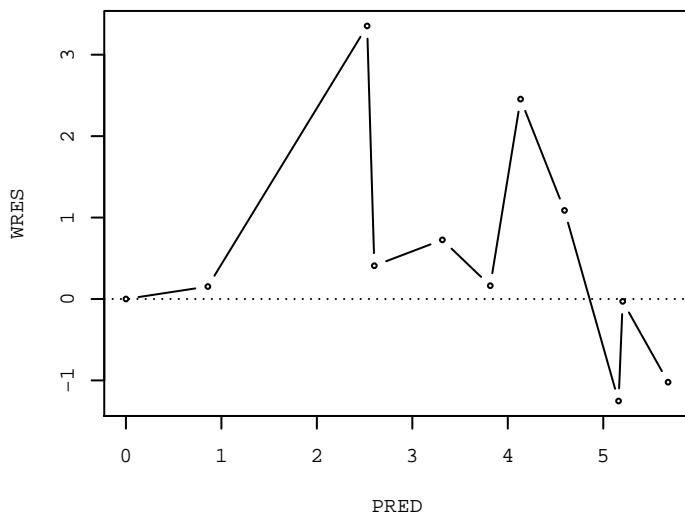
*Fractional number means dosing occasion.

Individiual Residual Curve, ID = 8
IOFV = 5.79706 , OFV per DV = 0.52701 , Run Test(CWRES) p = 0.31
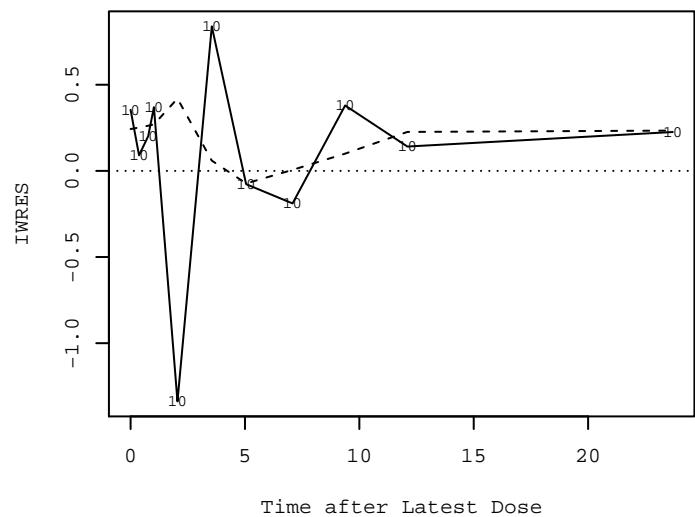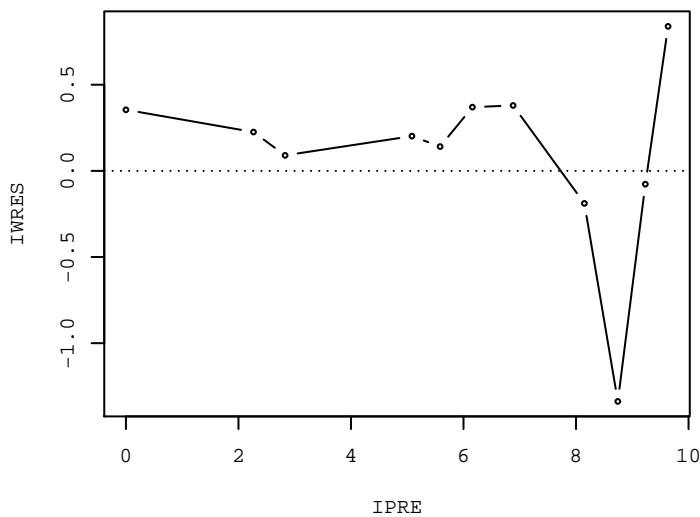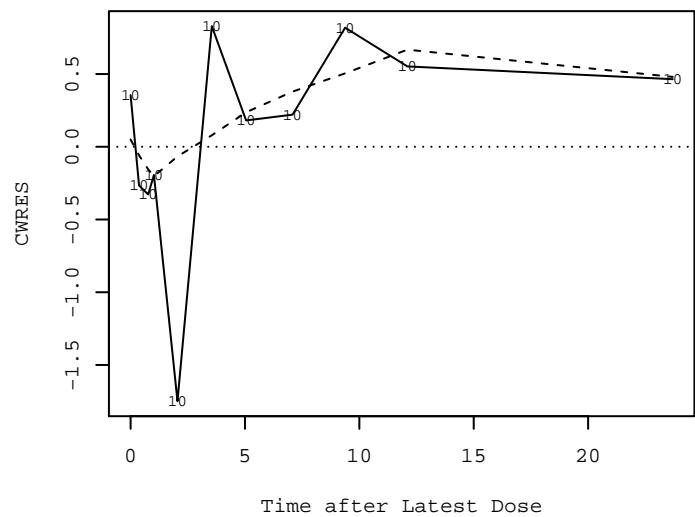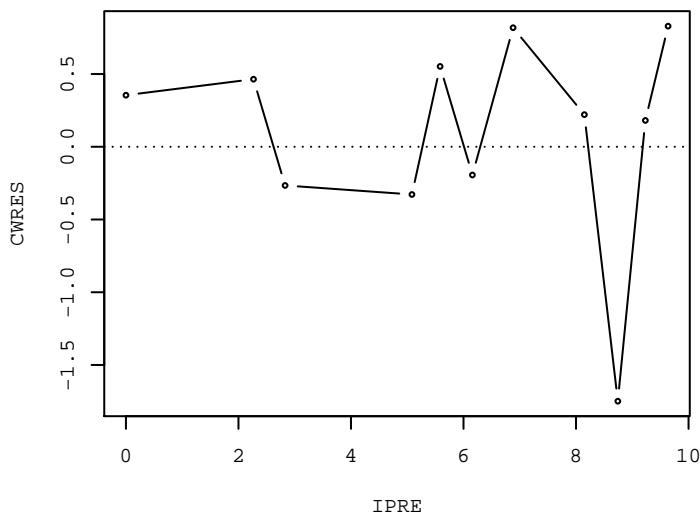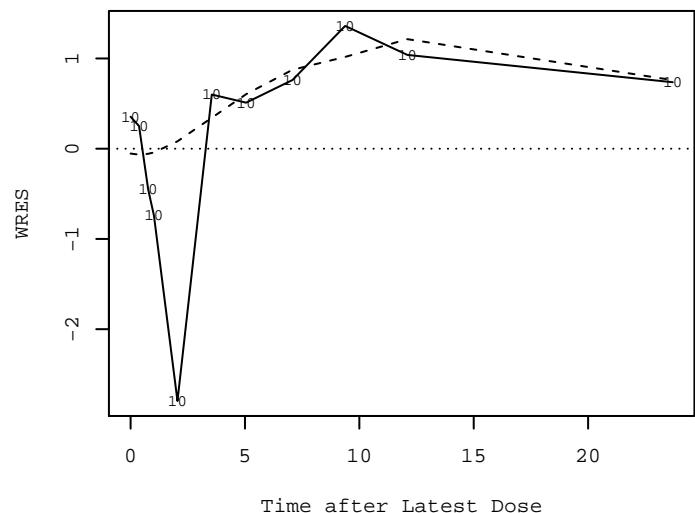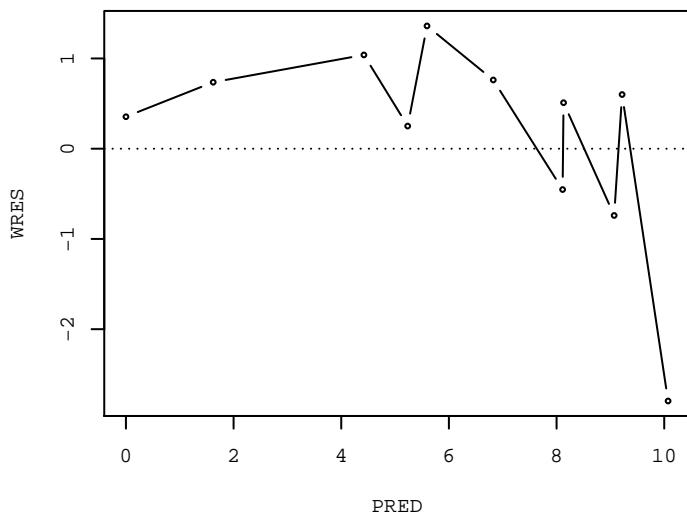
*Fractional number means dosing occasion.

Individiual Residual Curve, ID = 9
IOFV = 8.80842 , OFV per DV = 0.80077 , Run Test(CWRES) p = 0.595

*Fractional number means dosing occasion.
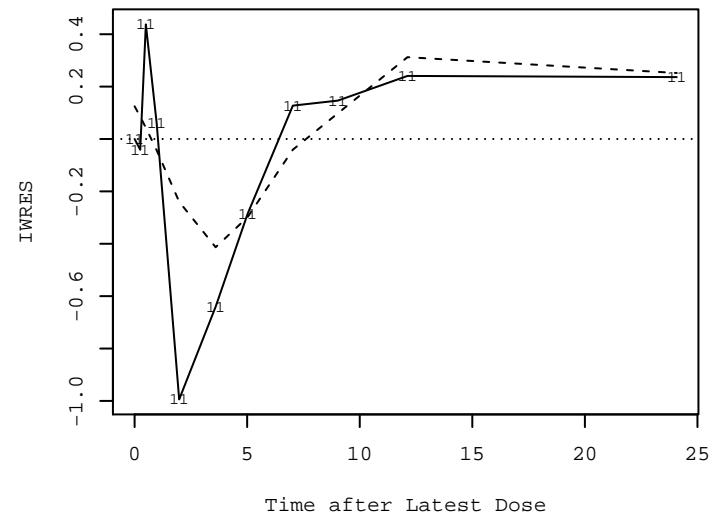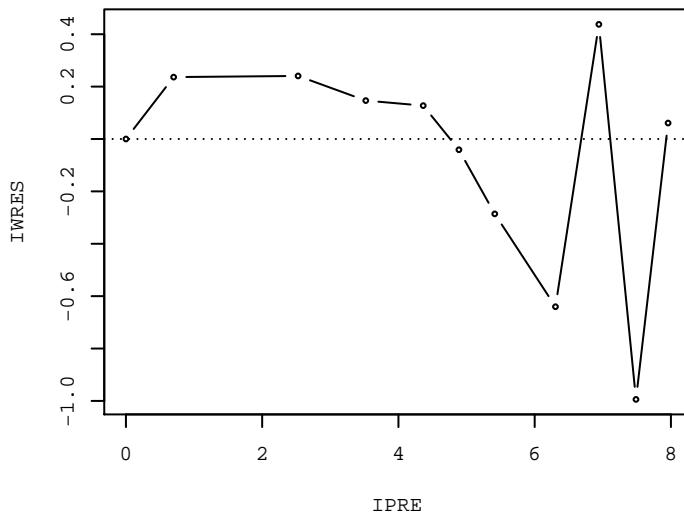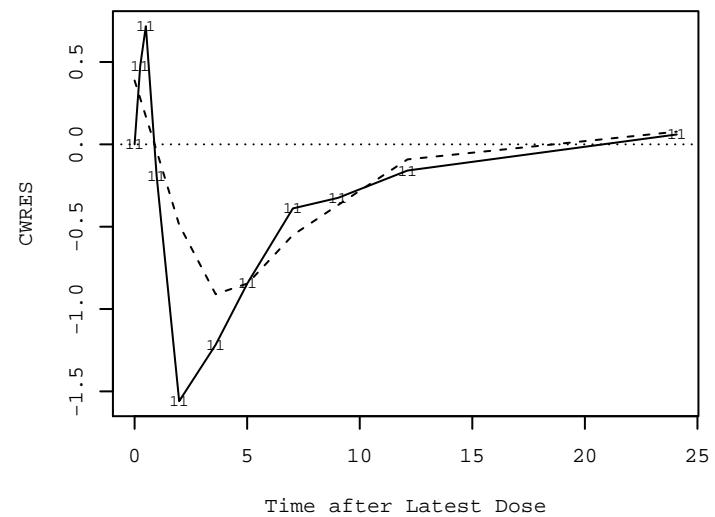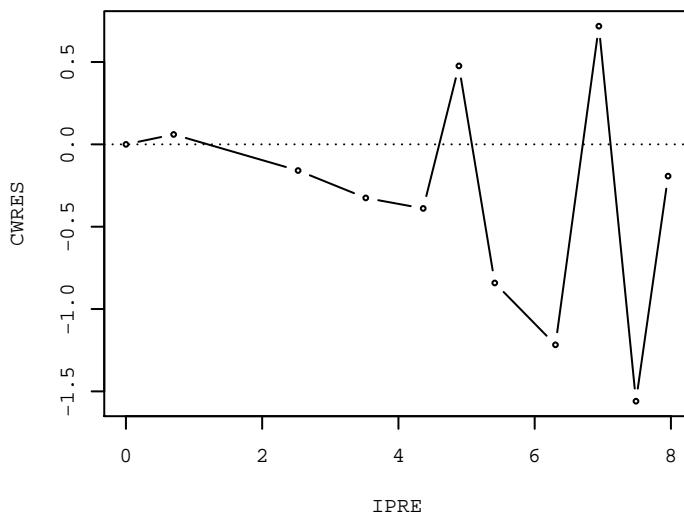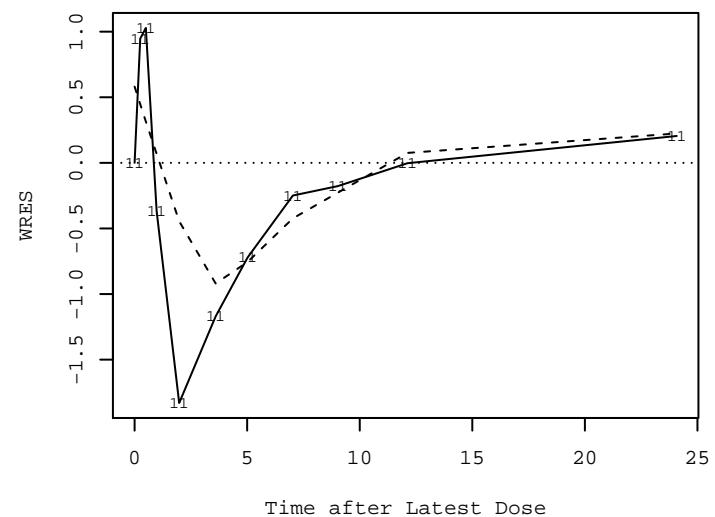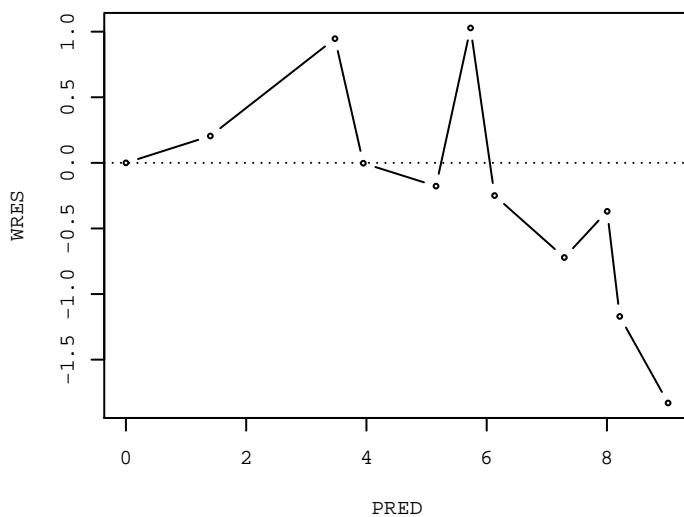
Individiual Residual Curve, ID = 10

IOFV = 4.08318 , OFV per DV = 0.3712 , Run Test(CWRES) p = 0.0333
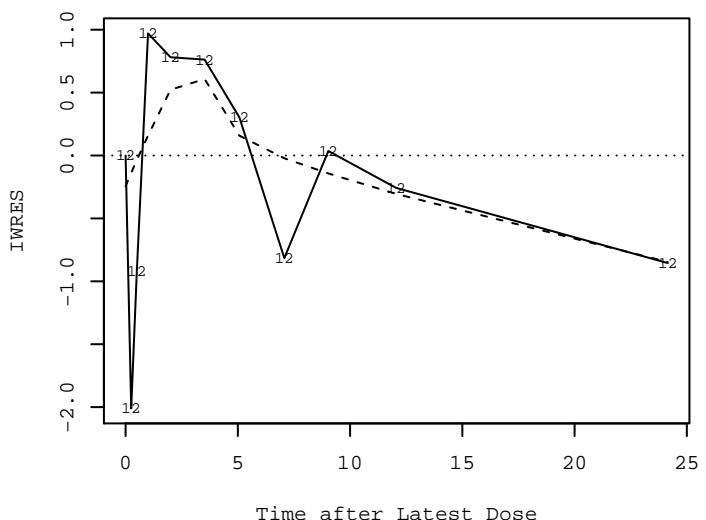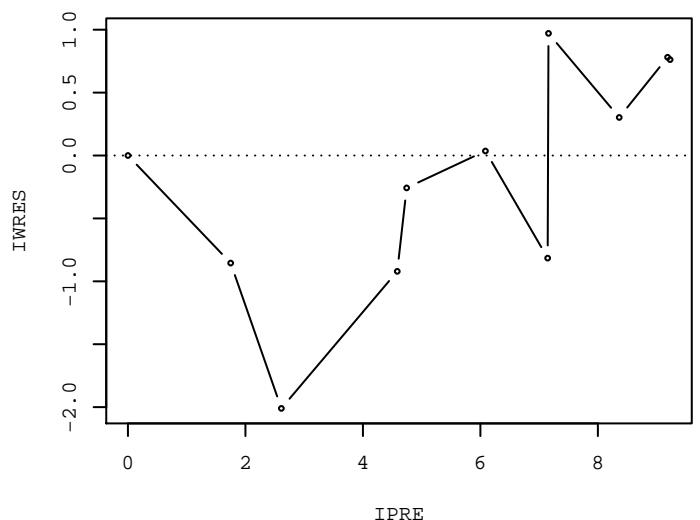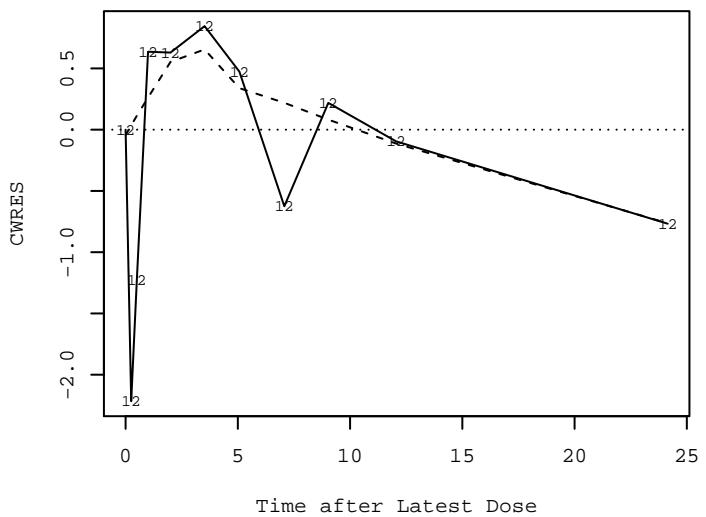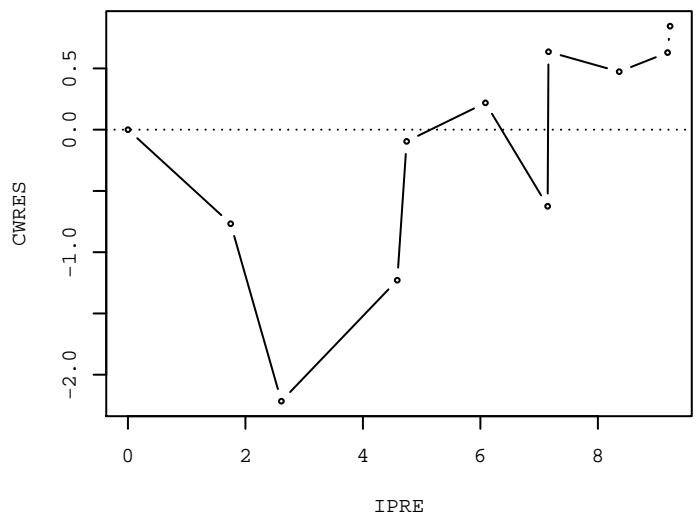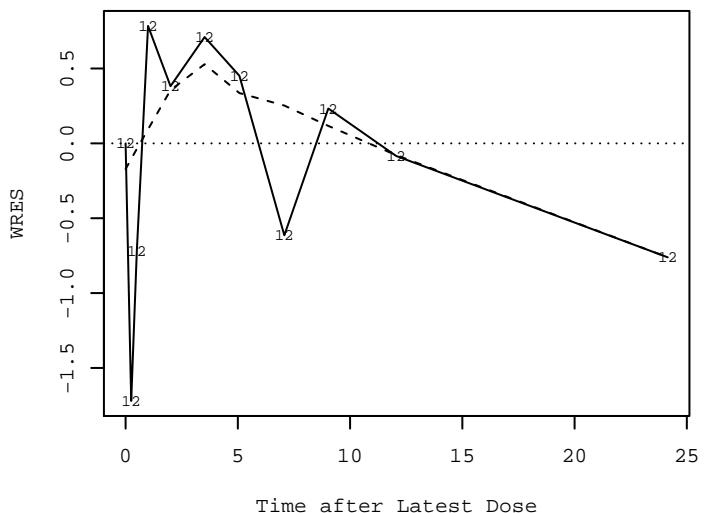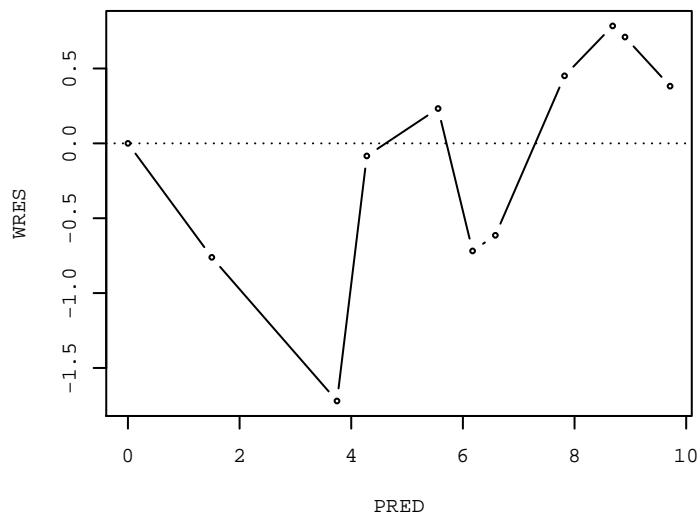

*Fractional number means dosing occasion.

# Individiual Residual Curve, ID = 11
IOFV = 2.87082 , OFV per DV = 0.26098 , Run Test(CWRES) p = 0.0833

*Fractional number means dosing occasion.

Individiual Residual Curve, ID = 12
IOFV = 7.56429 , OFV per DV = 0.68766 , Run Test(CWRES) p = 0.357

*Fractional number means dosing occasion.

Subjects with Bad Run Test Result on CWRES


```
        ID     p.value
 10.00000000  0.03333333
```