

Sheet1

Lancs	Surv'd	Pub	Rlies	Fm	To	Opened	Copies	Bdy	Notes	Other copies	stats	Late
1	1847-8	1850	None				BLo-a2.54, NLS-2R				n	
2	1847-8	1850	None				BLo-a2.54, NLS-2R				n	
3	1846-8	1850	None				BLo-a2.54, NLS-2R				n	
4	1846-8		None				BLo-e11.51, RGS-c56			CUL		
			FR Coniston Branch	4S	89	18590618					m	
5	1848	1851	None				BLo-a2.54, NLS-3R			RGS-e7.54	n	
6	1846	1850										
			FR: (Foxfield Jc) – Broughton	8S	82	18480224	BLo-e1.54, RGS-e7.54					
			FR: Broughton-(Coniston)	82	E4	18590618	NLS-2R				c	
7	1846-8	1850					BLo-a2.54					
			FR:(Broughton-Coniston)	W5	3N	18590618	NLS-3R				c	
8	1846-8	1851					BLo-a2.54, NLS-3R					
			FR Windermere Branch	3S	67	18690601					c69	
9			None				BLo-a2.54, NLS-3R				n	
10	1846-7	1850	Furness Rly: (Whitehaven-Piel)(S section)	E4	9S	18460824			BL is pre-EPD, acc 25:2:54			
			Furness Rly: (Whitehaven-Piel)(N section)	79	E6	18480224			This looks like an insertion			
			FR: Foxfield-(Broughton)	89	8N	18480224	BLo-e<51, RGS-e3.56, NLS-2R		1st two not checked in respect of this branch			
											c	
11	1846	1850	(FR from Piel) to Kirkby Tram Road	W4	27	18460824						
			Whitehaven-Piel (N of Kirkby)	05	W6	18480224	BLo-e<51, NLS-3R			RGS		
			FR Windermere Branch	9S	E5	18690601					c69	
12	1848	1851					BLo-a2.54, NLS-3R			RGS		
			FR Windermere Branch	W5	8N	18690601					c69	
13	1847-8	1850	None				NLS-2R			BLo, RGS		

Sheet1

			FR Roose Jc - Barrow stn at later Buccleugh Dock	94	83	184608	BLo-e<51, RGS-c56			CUL		
			Barrow Deviation & short extn to Devonshire Dock	83	73	18630429						
			Barrow line routed further S	94	83	18701231						
			S curve, Barrow – Parrock Hall	94	93	18731231						
			Timber Pond – Channel Pier	83	72	18701231g						
			General Revision of Barrow including Mun'l Bdy			1873-4	NLS-3R		Revision based on 1:500 survey			
											qx3	
22	1847	1851	Furness Rly: (Whitehaven-Piel)(2pts)	W7	1S	18460824	BLo-e<51, RGS-c56					
			Municipal Bdy			1873?	NLS-3		– there may be other small revisions in the NW part as 1:2500 22.1,5 were in the 1870s Barrow 'diagram'..			
			FR Stank branch	W4	16		BLg-e7.81		Geology published 2.79			
											c	g
23	1842	1848	No rlies – no land!				NLS-2R				n	
24	1845	1848										
			Lancaster & Carlisle Rly	5S	9N	18460922	BLo-a2.54, RGS-c56		Inserted with imperfect deletion of existing detail. Note that RGS is certainly pre-EPD, ie pre-mid 1851: this would account for omission of NWR on this sheet, whereas it is present on sheet 26 to the E. This sheet is particularly good for examples of 'bad' name placement due to their not have been moved when the railway was added.			
			(Ulverston Jc) – Carnforth	6N	87	18570826						

Sheet1

			Note in red: 'Rlies inserted since date of pub'n'				NLS-3R				
			F&M Jt - Carnforth & Wennington Br	87	E7	18670606					c67
25	1844-5	1847					BLo-a2.54, RGS-c56, LCC		Lag of > 4 yrs		
			North Western Rly(Wennington-Lancaster)	4S	E7	18491117	NLS-3R				
			F&M Jt - Carnforth & Wennington Br (2 pts)	W7	E6	18670606					c67
26	1844-5	1847					Blo-a.2.54, LCC		Lag of > 4 yrs		
			North Western Rly, Wennington-(Lancaster)	16	W5	18491117					
			North Western Rly, (Bentham)-Wennington (Carnforth) – Wennington Jct	26	16	18500502	RGS-e55,NLS-2R				
				W6	16	18670606					q2
27	1847	1849	No rlies.				BLo-a2.54				
			Municipal Bdy along Walney Channel			1873?	NLS-2R				n
28	1847	1849	Furness Rly : to Peel pier	1N	08	18460824	BLo-a2.54, RGS-e12.54				
			Municipal Bdy			1873?	NLS-2R				c
29	1845	1848	No rlies				BLo-a2.54, NLS-2R				n
30	1844-5		Preston-Lancaster Greaves (=‘Lancaster Station’)	7S	72	18400626					
			Lancaster & Carlisle	71	50	18460922	LCC		Only LNWR >1879		
			NWR Morecambe Br	74	17	18480612			Addition. NWR shown with ladder symbol, although single-track		
			NWR: Lancaster Green Ayre ('Area') – Wennington	74	E8	18491117			As with the line to Poulton, this is noticeably darker than other work on the plate of the BL 1854 copy.		
			Lancaster Green Ayre – Castle link	74	63	18491218	BLo-a2.54, RGS-c56			CUL-5	
			L&NWR (Hest Bank N Jct-Morecambe Hest Bank Jct)	59	27	18640808					m
31	1844-5	1847					Blo-a2.54, LCC		Accessioned 5 yrs after NWR opened		
			NWR: Lancaster Green Ayre – Wennington	W7	4N	18491117	RGS-e12.54, NLS-e90R				

Sheet1

			(Blackburn-Hellifield)	9S	E0	18500622	BLo-a2.54, NLS-3R			RGS		
											m	
55	1844-6	1848					LCC					
			Blackburn Rly (-Hellifield)	W0	3N	18500622	RGS-c56, NLS-e3.99R	Looks an addition			m	
56	1844	1848					LCC, Blo-a2.54	Burnley 'Improvement bdy 9&10 Vic' looks a pre-publication addition.				
			(MR) (Skipton)-Colne	8N	89	18481002						
			ELR: Colne-Burnley (continuation of above)	89	4S	18490201	RGS-c56, NLS-3					
											c	
57	1844	1848	No relies				BLo-a2.54, NLS-3R			RGS,		
											n	
58	1844	1848					LCC, Blo-a2.54,RGS-c56					
			Blackpool & Lytham Rly	9N	E3	18630406	NLS-e12.94R					c
59	1844	1847	Preston& Wyre Rly: -Fleetwood	E8	7N	18400716						
			Ditto, Lytham Branch	88	6S	18460216	LCC, Blo-a2.54, RGS-c56	LCC has MS additions				
			Blackpool & Lytham Rly	W3	3S	18630406	NLS-3R					c
60	1844-5	1848	Preston& Wyre Rly: -Fleetwood	E6	W8	18400716	BLo-a2.54, NLS-3R			RGS-c56		
												c
61	1844-7	1849	Most of LNWR-associated lines			pre 1845						
			Ribble Branch Rly	22	13	18460730	LCC					
			[L&Y] :Preston-(Bamber Bridge)	32	3S	18500902	Blo-a2.54, RGS-c56					
			Maudland Jc – Deepdale Jct (with long tunnel)	23	44	18561101	NLS-e7.94R	NLS has new Croft St Mill opp Maudland Sta. Does it appear on previous state?				
												c
62	1844-6	1848					LCC, Blo-e2.52					
			(Nova Scotia) - 'Coal Yard' Whalley Banks	7S	70			'Coal Yard', deleted later				
			Blackburn Stn-south	80	7S	18460601						
			Blackburn-Accrington	80	2E	18480619						
			Blackburn-north (route to Hellifield)	91	9N	18500622	RGS-c56, NLS-e12.93R					
												c
63	1844-6	1848					LCC					

Sheet1

			All 3 lines from Accrington			mid-1848	BLo-a2.54, NLS-3			RGS-c56		
											c	
64	1844	1848					LCC		Burnley 'Improvement bdy 9&10 Vic' apparently added pre-publication			
			ELR: (Accrington)-Burnley Cavalry Barracks	W7	39	18480918						
			ELR: Burnley Barracks – Bank Top	39	49	18481201						
			Burnley-(Colne)	49	4N	18490201						
			L&Y, Burnley Br: to Thorneybank (just short of Gannow Jc)	9S	38	18491112						
			Connection at Gannow Jc	38	28	18500930	BLo-a2.54, NLS-3R			RGS		
											m	
65	1844	1848	No rlies				BLo-a2.54, NLS-2R			RGS		
											n	
66	1848	1850	No land				BLo-a2.54, NLS-2R			RGS		
											n	
67	1844-5	1848										
			(Kirkham Jc)-Lytham	6N	59	18460216	LCC, Blo-a2.54, RGS-e3.56		Station shown in plan, but unnamed at this stage.			
			Blackpool & Lytham Rly	3N	59	18630406	NLS-2R		'Terminus' added to existing station as well as to new one.			
											c	
68	1844-5	1848					LCC					
			ELR, L'pool Preston Blackburn	9S	E3	18490402	RGS-c56, NLS-3R					
											c	
69	1844-6	1848	Lancaster canal tramway + main line to Preston			pre-1844						
			ELR Blackburn & Preston: to Farrington	E8	36	18460601	LCC					
			ELR L'pool Preston Blackburn &c	W2	47	18490402						
			Bamber Bridge – Preston direct, with triangular jct	57	3N	18500902	BLo-a2.54, NLS-e99R					
											c	
70	1845-7	1849	ELR (Blackburn & Preston) to Nova Scotia	8N	89	18460601	LCC		Lacks 'Municipal Boundary'			
			Nova Scotia -(coal depot)	89	7N							
			ELR Blackburn & Preston	89	W9	18460601						
			Blackburn Rly: to Sough	89	90	18470803						
			Sough-Bolton	90	E0	18480612	BLo-a2.54, NLS-e02R			RGS-e7.56		

Sheet1

80	1844-8	1851	[No rlies added to map]				LCC, Blo-a2.54, RGS-c56					
			Double line for [Rochdale] borough bdy (SE corner).				NLS-3					
												c
81	1847-8	1851	L&Y:(Rochdale)-Littleborough Tunnel	2S	4N	pre-1841	LCC, Blo-a2.54, RGS-c56					
			Double line for [Rochdale] borough bdy (SW corner).				NLS-3R					
												c
82	1845-6	1848					LCC, Blo-a2.54					
			Liverpool Crosby & Southport Rly	8S	E7	18480724	RGS-c56, NLS-2R					
												c
83	1845-6	1847					LCC, RGS-c56					
			Liverpool Crosby & Southport Rly	W7	1N	18480724	BLo-a2.54, NLS-e10.94R					
												c
84	1845-6	1848					LCC					
			ELR, L'pool, Preston, Blackburn &c	0S	5N	18490402						
			Ormskirk Jc – Skelmersdale	0S	2S	c1850g	BLo-a2.54, RGS-c56					
			Wigan-Southport with link at Burscough Bridge	E3	W8	18550409	NLS-3R					
												c
85	1845-6	1849	L&NWR: Wigan-Preston + L&Y: Bolton-Chorley			pre-1841						
			'Railway to collieries' S of Adlington	E6	95		LCC, Blo-a2.54				RGS	
			L&Y, Wigan-Southport	2S	W2	18550409	NLS-3R					
			LU Jt: Boar's Hd-Adlington Jc	70	98	18691201						c
86	1845-7	1849	L&Y, Bolton & Preston	E1	W8	18410204						
			'Railway to Collieries' nr Adlington	07	W6		LCC					
			(Lostock Jc) by Rumworth Mill Br – (Wigan)	71	7S	18481120	BLo-a2.54, NLS-3R				RGS	
			L&Y Horwich Branch	24	45	18700214						c
87	1844-7	1850	Crook St line + Manchester-Bolton-Chorley (Radcliffe-Bury-Ramsbottom)(2 parts)	9S	9N	18460928						
			Blackburn Rly	21	3N	18480612	BLo-a2.54				RGS	
			L&Y: Bolton-Bury	20	E4	18481120	NLS-3R, PCa-e2.88					c
88	1844-7	1851	(Manchester-Leeds) + Blue Pits-Heywood			pre-1841						
			ELR: (Radcliffe)-Bury-(Ramsbottom)	W3	W8	18460928						

Sheet1

			Heywood-Bury Knowsley St + Castleton W to S curve	74	04	18480501					
			Bury Knowsley St-Bolton + connection at Bury	04	W4	18481120	BLo-a2.54, NLS-3R			RGS	
											c
89	1844-8	1851	L&Y Manchester-Leeds	W7	2N	18390704	BLo-a2.54, RGS-e4.55				
			L&Y Oldham & Rochdale	4S	18	18631102	NLS-3R				
			L&Y Facit Branch	81	0N	18701101					
											c
90	1845-6	1848					LCC, Blo-a2.54				
			L'pool Crosby & Southport Rly	9S	8N	18480724	RGS-c56, NLS-e6.97				
											c
91	1845-6	1849					LCC, Blo-a2.54				
			ELR Liverpool Preston Blackburn &c	8S	E8	18490402	RGS-c56, NLS-3R				
											c
92	1845-6	1849					LCC		No Holland or Albert Collieries		
			L'pool-Bury	5S	E3	18481120			This includes branches to Holland Colliery and Albert Colliery in E of sheet.		
			(Liverpool)- Ormskirk	W8	0N	18490402	RGS-c56				
			Ormskirk-Coal Pit Lane (N of Blaguegate)(Gds)	2N	58		BLo-a2.54,			CUL, RGS	
			Rainford Jc-(St Helens)	71	6S	18580203					
			ELR: Rainford Jc- Coal Pit Lane	71	58	18580301					
			Rainford Jc link (Bushey Lane Jc-Randle Jc)	61	60		NLS-3R				
											c
93	1845-6	1849	LNWR Preston-Kenyon + Springs Br + Pemberton & Winstanley Coll'y Rlies			pre-1845	LCC				
			L&Y Liverpool-Bury	W3	E4	18481120	BLo, RGS		Chemical Wks added by Lock 17 of L&L Canal		
			L&Y Wigan-Southport	76	2N	18550409	BLg,		BLg published 2.61	CUL	
			LNWR Eccles-Wigan(Springs Jc)	E2	92	18640901	NLS-3R				
			LNWR Lancs Union: Bryn-Wigan	7S	92	18691101					
											c69
94	1845-6	1849	Bolton & Leigh Rly	E9	5S	18310613	LROo				
			L&Y Liverpool Bury and Manchester	W6	7N	18481120	BLo-a2.54				

Sheet1

			Tram Road at West Leigh redrawn & extended to new Springfield Coll	50	40	1848app					
			Tram Road at Tyldesley	91	E0	1850app	RGS-c56, BLg		BLg published 1862	CUL	
			LNWR ...Tyldesley-Wigan with Chowbent spur	E0	W2	18640901					
			LNWR Tyldesley ... & Kenyon Branch	90	8S	18640901	NLS-3R		Note in red: Railway inserted		
			L&Y Hilton House Branch	25	2N	18680914					
											c68
95	1844-6	1850	L&Y Preston Bolton & Manchester	2N	E1	18380529					
			ELR: Clifton-Radcliffe	91	9N	18460928	BLo-a.2.54, RGS-e1.55				
			Tram Road to Gt Lever Coll'y	29	29	1849					
			Tramroad at Halshaw Moor (through 'W' of 'FARNWORTH')	45	45						
			LNWR Patricroft & Clifton Jc	9S	91	185002	CUL, BLg		BLg published 2.62		
			LNWR Manchester Eccles Tyldesley & Wigan	5S	W0	18640901	NLS-3R				
											c
96	1844-5	1848	L&Y Manch'r-Bolton+Ditto-Leeds+MiddletonJc-Oldham			pre-1842	BLo-a2.54, RGS, NLS-3				
			L&Y Middleton Branch	95	86	18570105					
											c
97	1844-5	1848	L&Y: (MiddletonJc)-Oldham Werneth	W5	25	18420331	BLo-a2.54, RGS-c56			CUL-5	
			Oldham Werneth-Oldham Mumps	25	45	18471101					
			LNWR Manch'r-Huddersfield thro' Mossley Brow	8S	81	18490801					
			LNWR Greenfield-Oldham	46	45	18560705					
			OA&GB to Oldham Clegg St	4S	44	18610826					
			Oldham Clegg St-Oldham Mumps	44	45	18620701					
			Parish of Ashton under Lyme revised (with note)			1863					
			L&Y Oldham & Rochdale Branch	45	5N	18631102					
			Royton Branch	48	39	18640321	NLS-I2.82R				
											m
98	1846	1849					LCC, BLo-a2.54				
			Liverpool Crosby and Southport Railway			18480724	RGS-c56, NLS-2				
99	1845-8	1850	L&Y L'pool-Bury (within Kirkby Tp)	85	E6	18481120	LCC				c
			L'pool Crosby & Southport Rly (Waterloo N'wards)	04	W5	18480724					
			L&Y L'pool-Bury (S of Kirkby)	4S	85	18481120					

Sheet1

			L&Y L'pool Preston Blackburn &c	40	8N	18490402					
			L'pool Crosby & Southport Rly (Waterloo S'wards)	04	3S	18501001	BLo-a2.54, RGS-c56				
			Note in red: Rlies & minor alterations added since date of survey				NLS-3R				
100	1845-7	1850	L&Y L'pool-Bury (to Bickerstaffe Rd)	W6	49	18481120	LCC				c
			L&Y L'pool-Bury (remainder)	49	5N	18481120	BLo-a2.54, RGS-c56				
			St Helens Rly from (Rainford Jc)	7N	E4	18580203	NLS-3R, AJC98-e5.94				
101	1844-5	1849	L'pool-Manchester+Parkside E -Wigan			pre-1832					c
			Parkside W curve	90	E0	18470101					
			Gerards Bridge Branch	1S	01						
			Railway to Haydock Colliery'	7S	53		LCC, BLo-a2.54			RGS	
			St Helens Rly from (Rainford Jc)	W4	1S	18580203					
			St Helens Municipal bdy			1868	NLS-3R				
			LNWR Winwick & Golborne line	1E	9S	18640801					
			LNWR Lancs Union, St Helens-Brynn	11	7N	18691115					c
102	1845-7	1849	L'pool-Manchester+Parkside E-Wigan+Bolton-Leigh			pre-1845					
			Parkside W curve	W0	00	18470101	LRO, BLo-a2.54				
			Link to existing tram road from N of Leigh stn	58	59		RGS, BLg			BLg published 2.62	
			LNWR Tydesley Bedford Leigh & Kenyon Br	8N	45	18640901	NLS-3R				
			(Winwick Jc)-Golborne Jc	W1	01	18640801					c
103	1845	1849	LNWR Liverpool & Manchester			18300917					
			Railway to Collieries' – fm Bridgwater Canal E of Booth's Town	38	3N						
			Bridgwater Canal E of Worsley to Saunderson Coal Pit	58	59		BLo-a2.54,			RGS, LROo	
			Tram road from NW corner to Bridgewater Canal	WN	71						
			LNWR Patricroft-Clifton Jc	65	8N	185002	BLg			BLg published 3.62	CUL,
			LNWR Eccles-Wigan	76	5N	18640901	NLS-3, PCa-e9.90				c
104	1845	1848	Manch'r-L'pool, Clifton Jc, Leeds, Stockpt, Sheffield lines			pre-1845					
			L&Y : Miles Platting-Chulcheth	67	E7	18460413					

Sheet1

			LNWR – L&Y link at Salford	35	35	18461031	BLo-a2.54, NLS-R					
			Manchester S Jcn & Altrincham Rly	54	1S	18490801						
			L&Y Ardwick[or Miles Platting]Branch: to Park Stn	64	77	18521201	RGS		Rly cross-hatched	CUL		
			L&Y Pendleton & Hindley Line	26	W9	1865						m
105	1845	1848	MS&L: Manchester – (Sheffield)	W3	44	18411117	BLo-a2.54, RGS-c56	Y	Police Boundary of Stalybridge' near limit of extrusion into Cheshire.			
			MS&L Ashton & Stalybridge Branch	44	75	18451223						
			[L&Y] Clayton Bridge – Ashton	W6	66	18460413			Subsequently labelled by OS LNWR Manchester & Huddersfield.			
			[L&Y] Ashton-Stalybridge	66	75	18461005						
			LNWR Stalybridge & Stockport Branch)	44	1S	18490801						
			LNWR Manchester &Huddersfield: fm Stalybridge	75	8N	18490801	CUL-5					
			OA&GB Audenshaw Triangle – Ashton – Oldham	34	4N	18610826						
			Ashton Municipal Bdy			1863						
			Ashton revised (note)			1874						
			Ashton revised (note)			1880	NLS-e10.99R					m
106	1845-9	1851	LNWR Liverpool- Manchester	50	E1	pre-1836			[The tunnels W of Edge Hill are not shown.]			
			L&Y, Liverpool and Bury District: fm Gt Howard St	23	4N	18481120						
			Liverpool Crosby and Southport Railway	73	2N	18501001	LCC, Blo-a2.54			RGS, CUL(from electrottype)		
			Waterloo Goods branch	50	23	18490801						
			Gt Howard St – Tithebarn St (later Exchange)	23	22	18500513						
			Waterloo Gds: connection to dock lines	23	23	1853app						

Sheet1

			LNWR Edge Hill & Garston Br	61	7S	18640215			Is there a state incorporating the partial revision of 106 and the 1:1056 at Liverpool in 1864?			
			LNWR Edge Hill & Bootle Branch	61	37	18661015g	NLS-3R		'New Railways and Docks inserted to 1864' Also nearby suburban development and extension of Exchange sta..			
											m	
107	1845-7	1850	LNWR, Liverpool-Manchester	2W	4E	18300916	BLo-a2.54, NLS-3R			RGS-c56		
											c	
108	1846-7	1849	L'pool-Manch'r+Earlstown Triangle-Warrington			pre-1831						
			St Helens Jc -Pleasley (=Ravenhead) Jc	37	19	pre-1832						
			St Helens Rly: Runcorn-Sutton Oaks Jc+?Broad Oaks Br			18330930						
			RavenHead Jc-St Helens Raven St	19	19	18491219	BLo-a2.54, RGS-c56					
			Cut-off: Ravenhead Jc – Pocket Nook Jc	19	1N	18580203	NLS-3					c
109	1845-7	1849	(Warrington-Earlstown)	0S	W0	183106	BLo-a2.54, NLS-3R			RGS-c56		
												c
110	1845	1848	No rlies added to map				NLS-2					n
111	1845	1848	LNWR Manchester Stockport & Crewe	8N	E2	pre-1845	BLo-a2.54		Stockport boundary present throughout.			
			MSJ&A Manchester-Altrincham	1N	W7	18490720						
			LNWR Stalybridge and Stockport Branch	93	E6	18490801	RGS-c56, NLS-e9.09		Note in red on NLS: Partial revisions			
			CLC: Stockport-(Liverpool) (3 pts)	E3	40	18651201						c65
112	1845	1848	LNWR: Manchester-Birmingham	W2	W0	pre-1845	BLo-a2.54, RGS					
			LNWR Stalybridge & Stockport	1N	W6	18490801	NLS-2R					
												c
113	1846-8	1850					BLo-a2.54, RGS-c56					
			Widnes-Garston	E2	92	18520701						
			LNWR Edge Hill & Garston Branch	7N	E3	18640215						

Sheet1

			Garston & Liverpool Rly	92	48	18640601	NLS		Note: New railways inserted to 1864 – Is this associated with alterations to sheet 106?			
114	1845-6	1849					BLo-a2.54, RGS-c56			CUL-5		c
			LNWR Manchester Warrington & Garston Branch to Ditton Brook ironwks from future Ditton Jc	E3	W3	18520701						
			LNWR Edge Hill & Garston Branch Weaver Jc-Ditton Jc	W4	13	18640215	NLS-3					
				E3	83	18690401						m
115	1846-7	1849	LNWR Warrington & Stockport	96	E8	pre-1833						
			St Helens Rly to Widnes docks	2N	13	pre-1833	BLo-a2.54			RGS		
			Widnes (Jc with St Helens Rly)-(Garston)	13	E3	18520701						
			MW&G Rly: Warrington-Widnes W Jc	99	13	18530201						
			Warrington-Arpley (ie line continues to map edge)	99	8E	18540501						
			Arpley-Walton Jc	E8	69	18551130	NLS-2R					
			LNWR Aston Runcorn & Ditton line	0S	W2	18690401						c69
116	1847	1849					BLo-a2.54, RGS		Warrington bdy appears from start			
			LNWR Warrington & Stockport: fm Wilderspool Causeway	08	08	18531101						
			Continued across Mersey to Arpley & map edge	08	W8	18540501						
			Arpley-Walton Jc	08	W8	18551130	NLS-2R					c
117	1848	1850	No relies				BLo-a2.54, NLS-2			RGS		n
118	1846-8	1849	No relies				BLo-a2.54, NLS-2			RGS		n