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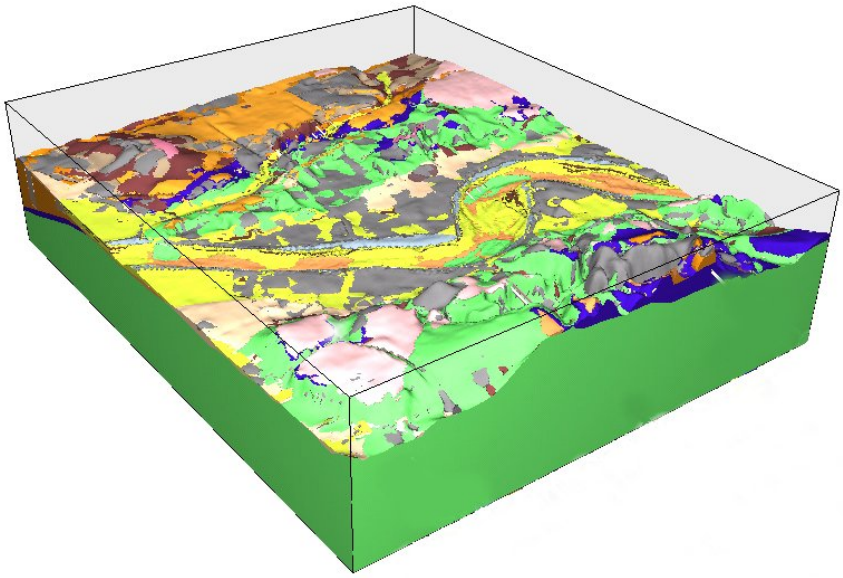
A Desk Study & BGS Capability Study in the Severn Estuary, United Kingdom.

Marine Coastal & Hydrocarbons Programme

Commercial Report CR/05/088N



BRITISH GEOLOGICAL SURVEY

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G. O. Jenkins, H. Kessler, D. G. Jones & C. V. L. Poulton

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Keywords

Severn Estuary, Geology, Sediments, Multi-beam, Sidescan sonar.

Front cover

The BGS The Thames Gateway Model (ca 15x15 kilometres) viewed from the southwest with Thurrock in the centre of the block.

Bibliographical reference

JENKINS, G. O., KESSLER, H., JONES, D. G. & POULTON, C. V. L.. 2005. A Desk Study & BGS Capability Study in the Severn Estuary, United Kingdom.. *British Geological Survey Commercial Report*, CR/05/088N. 20pp.

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Summary

This report provides an environmental background to the Inner Bristol Channel and Severn Estuary, coupled with a summary of the British Geological Survey's capabilities in offshore data collection and interpretation. It has been prepared as part of a joint tender with the Museum of London Archaeology Service (MoLAS), to be submitted to English Heritage. The aim of the project is to assess the current state of knowledge relevant to the historic environment in relation to aggregate extraction in the Severn Estuary, and to make recommendations for further work.

1 Introduction

1.1 REGIONAL SETTING

The Inner Bristol Channel and Severn Estuary is situated between the coastlines of South Wales and North Devon and Somerset. The coastline surrounds a major submarine valley system that connects the estuary of the River Severn to the Celtic Sea. In the outer Bristol Channel depths reach 50-60m, shallowing eastwards to 10-20m in the inner Bristol Channel. The present day morphology of the Bristol Channel and Severn Estuary formed following marine inundation of a former river valley system, incised into the Triassic and Jurassic rocks. The Severn Estuary and inner Bristol Channel broadly conform in shape and position to the Severn Estuary Fault Zone, which is known to have been active (dextral strike-slip) in early Carboniferous times (Wilson et al., 1988). The bedrock outcropping on the floor of the inner Bristol Channel and Severn Estuary, and that underlying the post-glacial estuarine sediments, is dominated by the soft, gypsiferous mudrocks with thin sandstones of the late Trias, and by the weak, shallow marine shales thinly interbedded with concretionary limestones of the Lias (Lower Jurassic) (Allen, 1990). Palaeozoic sediments only outcrop locally. Well-lithified sandstones and mudrocks of the Old Red Sandstone (Devonian) occur in the Minehead-Porlock are, along the coast of Clevedon, near Cardiff (with some Silurian rocks), and along each bank of the inner estuary at Lydney and Sharpness. The many small outcrops of strong, well-jointed Carboniferous Limestone mainly represent hills on the sub-Triassic unconformity surface (Allen, 1990).

The remnants of four fluvial terraces (Kidderminster, Main, Worcester, Power House) of Devensian age (Mitchell et al., 1973) border the Severn Estuary. Gradually descending downstream, the Main and younger terrace deposits are closely associated stratigraphically with the post-glacial estuarine sediments, especially in the outer and middle estuary (Allen, 1990).

The bedrock surface supporting the estuarine sediments has the general morphology of a broad, flat-floored, outer valley into which the Severn and its tributaries have cut narrow gorges during a probably late Devensian low-stand of the sea. Periglacial features (ice-wedge casts, involutions, rubble fields) are extensively preserved on the bedrock floor (with local terrace remnants) of the outer valley in the middle and inner estuary and may have arisen during the fluvial incision (Allen, 1990).

The complicated outcrop of the post-glacial estuarine alluvium is determined by the intricate form of the underlying bedrock surface, with its many undulations, hills, valleys and spurs. On average the total sequence is 10-15m thick. The bedrock surface is directly overlain either by a soil and rooted peat with mature trees (basal peat) or by thin gravels and sands. These are overlain by much thicker, green to brown estuarine silts and clays which include a widespread and important development at about the middle of further rooted peats (Allen, 1990).

Residual circulation currents in the Bristol Channel have led to the formation of three major ‘banner’ sandbanks; Helwick, Scarweather Sands and Nash Sands, which lie along the South Wales coast. The banks are all orientated with the dominant tidal streams, with an approximately west-east orientation. Holm Sand is derived from material transported into the channel by the Irish Sea and local ice masses during the last glaciation (Davies, 1980). The alignment of sand waves on the banks suggests that sediments were transported from channels to the northwest and southeast.

1.2 SEDIMENT TRANSPORT IN THE BRISTOL CHANNEL & SEVERN ESTUARY

The Bristol Channel and Severn Estuary are areas of strong tidal currents. The area is severely macrotidal with an extreme tidal range of 14.8m at Avonmouth, and a mean springs range of 12.3m (Allen, 1990). In the outer Bristol Channel, around the Nobel Banks area, the mean spring range is about 8m, but on exceptional tides it may be as large as 10m (Environmental Resources Management, 2002). Tidal currents exceed 1m s^{-1} over wide areas and for long periods, consequently the waters of the system are very well stirred. The size and west to southwest-facing aspect of the Bristol Channel and Severn Estuary means that the area is very windy (Smith, 1983), frequently affected by powerful waves (Shuttler, 1982), and subject to substantial storm surges (Lennon, 1963).

Extensive research has taken place on the sedimentology and sediment transport in the Severn Estuary and Bristol Channel over the past 30 years, including investigations by the Severn Tidal Power Group, the IOS SKER project in Swansea Bay, and numerous scientific papers. The majority of studies have been focused on investigating sediment transport in the Central Bristol Channel, Inner Bristol Channel and lower Severn Estuary.

A bedload parting zone has been proposed to exist between Barry and Bridgwater Bay (Kenyon & Stride, 1970, BGS, 1986, Stride & Belderson, 1990). This is an area where bedload transport vectors appear to diverge. However this model is an over-simplification of the transport regime in this region, and does not fit with the Holocene infilling of the Severn Estuary outlined by Allen (1990) where the mineralogy and texture of sands in the Severn Estuary conclusively point to a source largely in the Celtic Sea. It also does not take into account residual currents in numerical models, which when included, show a better correlation with physical evidence for the directions of bedload transport (Harris and Collins, 1988).

The sediment regime of the Bristol Channel and Severn Estuary is best described by Harris and Collins (1991). They propose a system of “mutually evasive transport pathways” whereby tidal conditions have varying effects on sediment transport pathways. The hydraulic regime (and thus sediment transport) mid channel is ebb dominated, with westerly flows maintained for a time after low tide by virtue of momentum of the water mass from the River Severn. Along the sides of the estuary, frictional drag results in the early establishment of inshore flood currents, soon after the time of low water. These form narrow zones of flood dominant sediment transport adjacent to the coastline along both the northern and southern margins of the Bristol Channel. Local circulation eddies exist around the larger sandbanks (Helwick, Nash and Scarweather). These sandbanks play an important role in sediment circulation, by interacting with the tidal flow and wave propagation.

In the Outer Bristol Channel, in the area off St. Govan’s Head, tracer studies have shown that the area is an active transport environment for fine, medium and coarse sands. Thus there is potential for the exchange of these sediment types between the Celtic Sea and the Bristol Channel in this area, with a net easterly transport direction into the Bristol Channel. Mobilisation of coarser sediments (very coarse sand and gravel) is feasible during periods of strong wind and wave conditions. However, the frequency of events stronger than Force 5/6 from westerly directions equates to only a 2.4% occurrence. It is therefore unlikely that this location is an active transport environment for very coarse sand and gravel (Posford Duvivier, 2000).

1.3 SEA LEVEL RISE

Allen (1990) estimates the estuary is “about full” in terms of it’s sediment budget, when studied in relation to other estuaries (e.g Seine) which appear to be filled. Evidence suggests that the inner Bristol Channel and Severn Estuary has long been and continues to be in a state of retreat. This is almost certainly in response to the drive provided by the continuing upward trend of relative sea level in the region in the past 10,000 years (Allen, 1990).

1.4 CLIMATE

During the Late Devensian the lowland ice began to retreat from its maximum extent at the Wolverhampton line, some 18,000 years BP. The climate of the Severn Estuary must be interpreted in a broad geographical context because critical sites lie outside the strict limits of the watershed and the gross climatic changes mentioned here are applicable to the whole area of the Severn Basin, and its immediate surroundings (Barber & Coope, 1987). The palaeoclimatic interpretations from this period are derived from assemblages of Coleoptera due to their abundance, ease of identification, and their rapid geographical response to climate change.

From 18,000 – 13,000 BP the average July temperatures were close to 10ºC ± 2ºC and average February temperatures were probably close to -20ºC ± 10ºC. It is apparent from the Coleopteran record that there was a sudden amelioration in the climate close to 13,000 BP. Average July temperatures were 17ºC ± 2ºC and average February temperatures were near to 0ºC ± 5ºC. This marked change in the thermal conditions was achieved very suddenly, in around a century or so, and coincides in both timing and intensity with the northward passage of the polar front in the Atlantic Ocean off the west coast of Britain (Ruddiman & McKintyre, 1973). Between 12,000-10,000 BP, the average July temperatures ranged between 15ºC ± 2ºC to 10ºC ± 2ºC, and the average February temperatures ranged between -5ºC ± 4ºC to -20ºC ± 10ºC. There is good Coleopteran evidence of a very sudden rise in temperatures at the beginning of the Holocene (10,000 BP), with temperatures reaching today's summer levels or above by 9500 BP. Numerical estimates of temperature and rainfall for the Holocene are rare and their reliability is difficult to judge. Lamb (1977) estimates Preboreal summer temperatures to be slightly higher than today's at 16.3ºC, with mean winter monthly temperatures of 3.2ºC for the period 10,000 – 7,500 BP. The mean summer temperatures are then estimated to rise between 7,500 – 5,000 BP to 17.8ºC, and the mean winter temperatures to 5.2ºC, a period generally acknowledged to be the time of greatest postglacial warmth. The onset of the Subatlantic, which Lamb (1977) dates to 2850-2400 BP, heralded a fall in summer temperatures to 15.1ºC but a rise in winter temperatures. Turner (1981) provides evidence for a further climatic deterioration from about 3150 to 2550 BP, followed by a warmer climate from 2350 to 1500 BP.

2 Capability

2.1 OFFSHORE MAPPING TECHNIQUES

2.1.1 Offshore capability

BGS has extensive expertise in offshore surveying, involving a variety of techniques and equipment. This includes the use of multibeam, sidescan sonar and sub-bottom profiling using Boomer and other sonic sources (e.g. pinger, sparker), as well as sea bed sampling using sediment grabs and core sampling. BGS can also offer extensive expertise in the analysis and interpretation of results, involving multibeam, side scan sonar and sub-bottom geophysics data interpretation, as well as providing expertise in sedimentology, geomorphology, geotechnical studies, mineralogy, petrology and geochemistry.

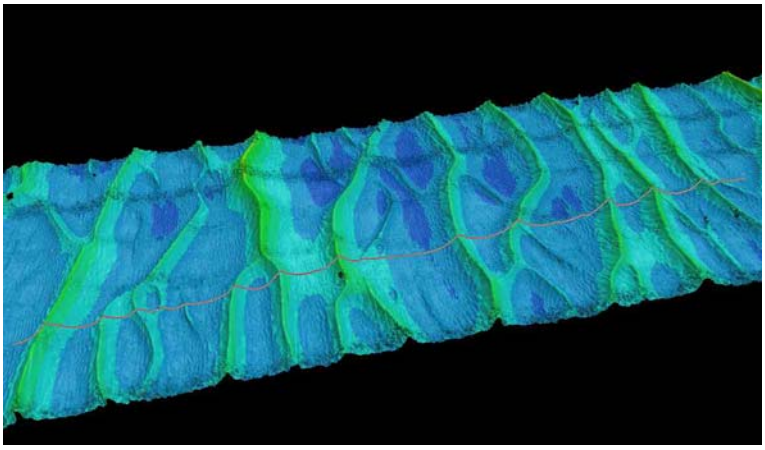

Figure 1. Multibeam image of a sand wave field in the Outer Bristol Channel

Recent BGS surveys have involved a marine habitat study in the Outer Bristol Channel, in collaboration with the National Museums and Galleries of Wales in Cardiff (July 2003 – May 2005). This has involved detailed sampling of 150 sediment grab sites, using a Van Veen grab, analysing the sedimentology and biological populations, combined with multibeam, side scan sonar and boomer sub-bottom profiling along a series of SW-NE trending corridors. A video camera tow was also employed over key areas to "ground truth" the interpretations deduced from the sampling and geophysics.

BGS is also due to undertake a detailed geophysical survey in the Eastern English Channel in June 2005, in collaboration with CEFAS, Marine Ecological Surveys and JNCC with a focus on offshore aggregate resources. The aim of the survey is to provide a detailed habitat map, combining BGS geophysical data, CEFAS marine biology data, and JNCC Annex 1 Reef Habitats data. The project is funded by the Aggregate Levy Sustainability Fund (ALSF).

Figure 2. Sediment and biological sampling using a Van Veen grab in the Outer Bristol Channel.

2.1.2 Estuarine capability

BGS has extensive experience of working in both the intertidal and subtidal parts of estuaries. This includes studies of estuarine evolution and of contaminants in estuaries. For this research we have carried out a range of geophysical and sampling surveys using a wide variety of techniques. These have been followed by detailed descriptive, analytical and interpretative work involving sedimentology, geomorphology, geotechnical studies, mineralogy, petrology and geochemistry.

In the intertidal zone we have worked from small hovercraft (from 2.5 to m in length, capable of carrying 2-25 people or equivalent payload). These have been used for geophysical surveys and sampling. Most recently a very successful survey was carried out in the Clyde estuary using a low voltage boomer system for seismic reflection studies in water depths at times less than 1 m. The craft have also been used on tidal flats at low water for radiometric (gamma spectrometer) surveys, primarily to measure radionuclides discharged from Sellafield in estuaries around the eastern Irish Sea, Such survey also provide information on sediment type and composition, including heavy mineral content.

Figure 3. Sediment sampling (shallow cores and grab samples) in the Clyde Estuary using a hovercraft.

Surface sediment samples and shallow sediment cores have been collected using simple hand cores or small vibrocores capable of up to 3 m of sediment recovery. As a cheaper alternative to hovercraft we have also used an Argocat all-terrain vehicle with low ground pressure to successfully carry out vibrocoring on tidal flats in the Solway Firth and Morecambe Bay. Using a barge under high water conditions it would be possible to deploy a large vibrocorer and sample to depths of up to 6 m.

For salt marsh areas, where sediments are not always water saturated at very shallow depths, we have additional coring methods, such as percussion drilling or power augering, capable of reaching greater depths (up to 10 m) than is possible on water saturated, thixotropic tidal flat sediments.

Many options are available for sampling the subtidal areas of estuaries, or intertidal portions at high water. BGS has sampling equipment capable of recovering surface material and shallow cores from very small boats and also methods that recover much larger samples but require more substantial handling systems found only on larger vessels. At the smaller end of the spectrum we have Van Veen grabs, a small gravity corer and Mackereth piston corer that need little more than a rowing boat. In contrast the clam shell grab recovers 100s of kg of sediment, the smaller Shipek grab a few kg and gravity and vibrocorers can recover up to 6 m of sediment, whilst a box corer recovers a relatively undisturbed large sample to a depth of around 60 cm.

2.1.3 Integrated Coastal Zone Mapping: Proposed methodology for characterisation and mapping of sediment and rock outcrop within the littoral zone.

This project has developed, and tested, a methodology of a proposed classification system for the characterisation and mapping of sediment and rock outcrop in the littoral zone (the area between Mean High Water and Mean Low Water). The objective of ICZMap was "*to provide a unified digital base map of the coastal zone of Great Britain, combining both onshore and offshore features*".

The Integrated Coastal Zone Mapping project (ICZMap) was undertaken co-operatively between the Ordnance Survey, the United Kingdom Hydrographic Office and the British Geological Survey (BGS) with funding from the Treasury's Invest-to-Save Budget programme.

A classification of sediments within the littoral zone has been defined using an amalgamation of the Wentworth scale and Folk's classification of sediments based on grain size, with additional input from the *BGS Littoral Zone* nomenclature. This has been used to identify the different sediment types, based on estimated grain size classes, found in the intertidal zone.

In order to test the application of the resulting classification, project scientists conducted fieldwork in the littoral zone of the Isle of Wight. A GIS map, in the style of BGS DigMap50, was produced to provide baseline beach sediment data, at the time of survey (August 2002), for the littoral zone around the whole of the Isle of Wight.

Within the ICZMap project, the littoral sediment characterisation exercise has successfully shown how littoral classification can be enhanced within BGS products and provides a base dataset for work in the coastal zone in concert with the other partner organisations.

The data collected in the field can form the basis of any littoral mapping, or be available as raw data. The classification scheme was designed to be scaleable so the high-resolution data can be automatically generalised for different applications.

2.2 3D MODELLING

Geological modelling and characterisation of the subsurface is the core strategic role of the British Geological Survey.

Advances in computer technology in recent years has made it possible to produce systematic, consistent subsurface geological models at varying resolutions, forming the extension of the traditional 2D geological map. GSI3D is a Java based software tool developed by Hans-Georg Sobisch of INSIGHT Ltd. (Cologne, Germany). BGS has thoroughly tested and the software over the last 3 years and has introduced it as its corporate tool for the systematic modelling of the shallow subsurface. (KESSLER, H. 2004, www.bgs.ac.uk/science/3Dmodelling/gsi3d.html)

In simple terms, GSI3D utilizes a Digital Terrain Model, geological surface linework and downhole borehole data to enable the geologist to construct regularly spaced intersecting cross sections by correlating boreholes and the outcrops-subcrops of units to produce a geological fence diagram of the area (Figure 4. a-c). Mathematical interpolation between the nodes along the sections and the limits of the units (outcrop plus subcrop) produces a solid model comprised of a series of stacked triangulated objects corresponding to each of the geological units present (Figure 4. d-f).

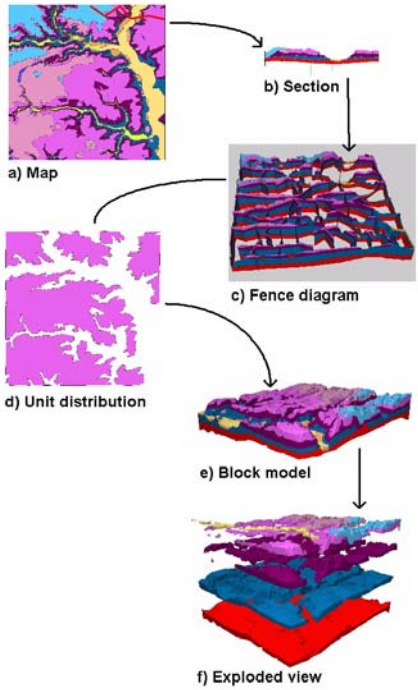

Figure 4. GSI3D simple workflow.

Geologists draw their sections based on facts such as borehole logs linked (correlated) by intuition – the shape 'looks right' to a geologist. This 'looks right' element pulls on the modellers' wealth of understanding of geological processes, examination of exposures and theoretical knowledge gathered over a career in geology. For example, something seen in sediments at the margin of a glacier in Iceland might well influence the way a geologist draws the base of a till unit on a geological section in Scotland; whilst the erosive power of a river in flood might inspire the geologist to draw a scoured base to a braided river deposit.

GSI3D has now been employed in all terrains across the United Kingdom and has proven to be suitable to most surface geological environments, excluding areas of heavy tectonised or metamorphosed geology.

In the Thames Gateway the BGS has just completed 250 square kilometres of high detail modelling from the artificial ground(grey) and river deposits (yellow, orange) down to the chalk aquifer (green) (Figure 5).

This project has also used high-resolution bathymetry data from the UKHO, and the erosive action of the Thames in its meander bows can be seen clearly in Figure 5.

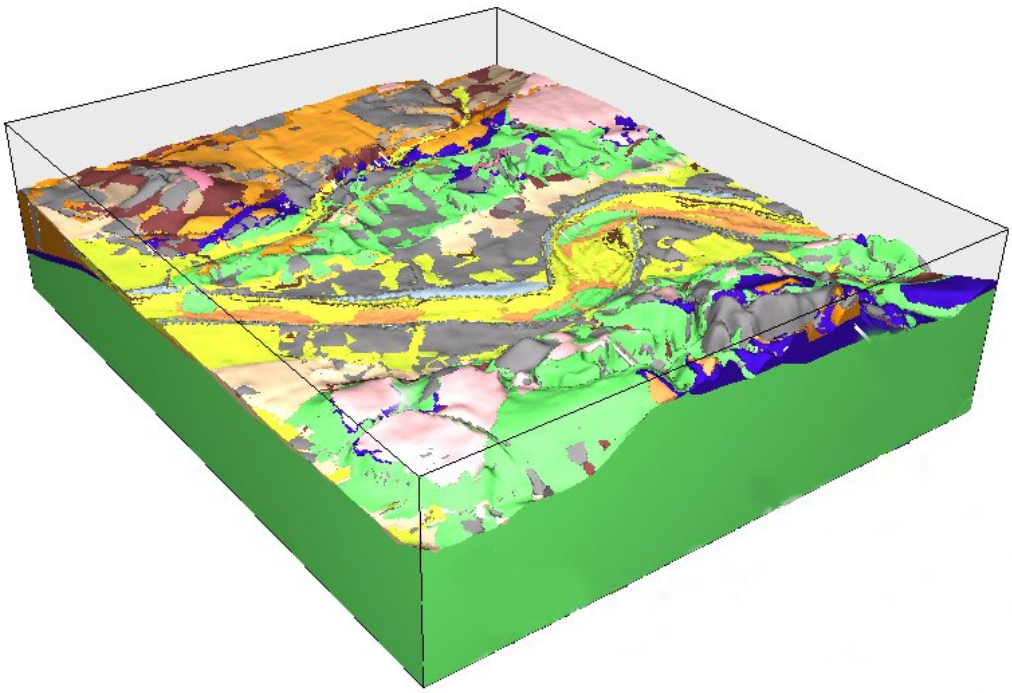

Figure 5. The Thames Gateway Model (ca 15x15 kilometres) viewed from the south-west with Thurrock in the centre of the block.

Models generated from GSI3D have been used in a variety of applied projects from groundwater recharge and vulnerability and gravel resource studies to archaeological potential mapping and flood defence stability assessments.

Costings:

The construction of 100 square kilometres of shallow subsurface geological models with GSI3D costs £10K - £12K (excl. VAT). This figure includes the codification of boreholes.

GSI3D generated models can be delivered to the customer in a variety of outputs. These range from paper maps and sections, to ESRI shapes and grids and the use of a stand alone model viewer – the *Subsurface Viewer*. The viewer will enable the customer to disseminate the model as many times as he likes, and perform any analysis such as synthetic boreholes, sections, uncovered maps, thickness queries etc. The price for the release of a model in the Subsurface Viewer is 5% of the modelling raw costs or a minimum of £400 whichever is the greater.

Furthermore there will be a 3D-GIS (*GSI3D Analyst*) based on GSI3D technology which will enable the customer to load other data into the model. The GSI3D Analyst can be purchased through BGS for £4.000.

It is also possible to acquire the full modelling capability of GSI3D (*GSI3D Enterprise*). This will cost £10.000 per seat with an unlimited license. The purchase of the *GSI3D Enterprise* would include the ability to publish models using the *Subsurface Viewer* as mentioned above.

3 BGS Data

BGS is responsible for the archiving and storage of BGS and non-BGS offshore data in the National Geological Records Centre at its Keyworth site in Nottingham, and marine data storage facility at Loanhead in Scotland. This data includes sediment samples, core samples of superficial sediment and bedrock, offshore geophysical records, and technical reports from the

UK continental shelf. BGS has also created the Single Onshore Borehole Index (SOBI), which holds 1 043 264 borehole records. This data will need to be assessed, but it will potentially provide the basis for a 3D geological map of the Severn Estuary. Data relevant to the Inner Bristol Channel and Severn Estuary is listed in the Appendix.

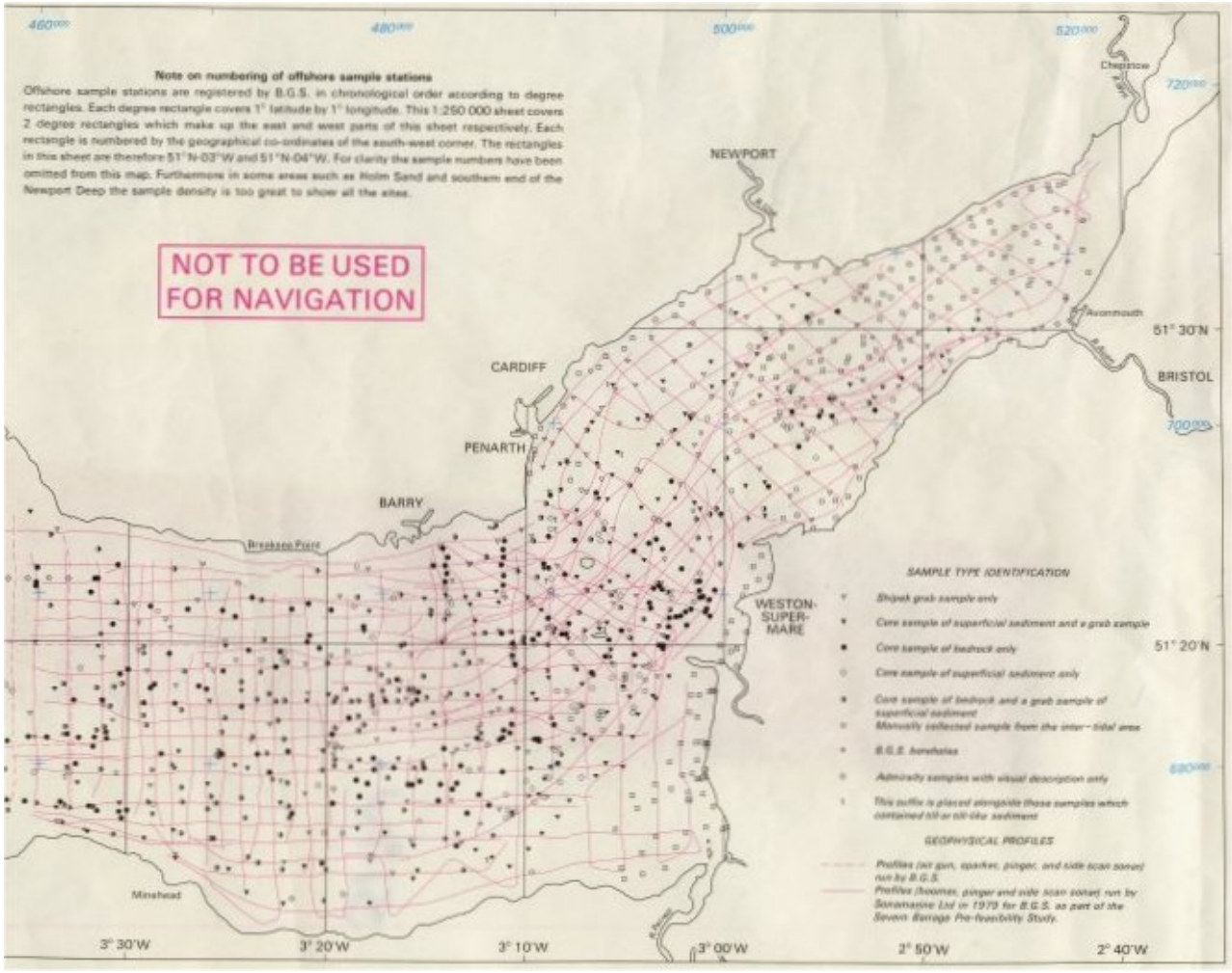

Figure 6. Map showing the extent of BGS offshore data in the Inner Bristol Channel and Severn Estuary. Taken from the Bristol Channel 1:250k sea bed sediment map.

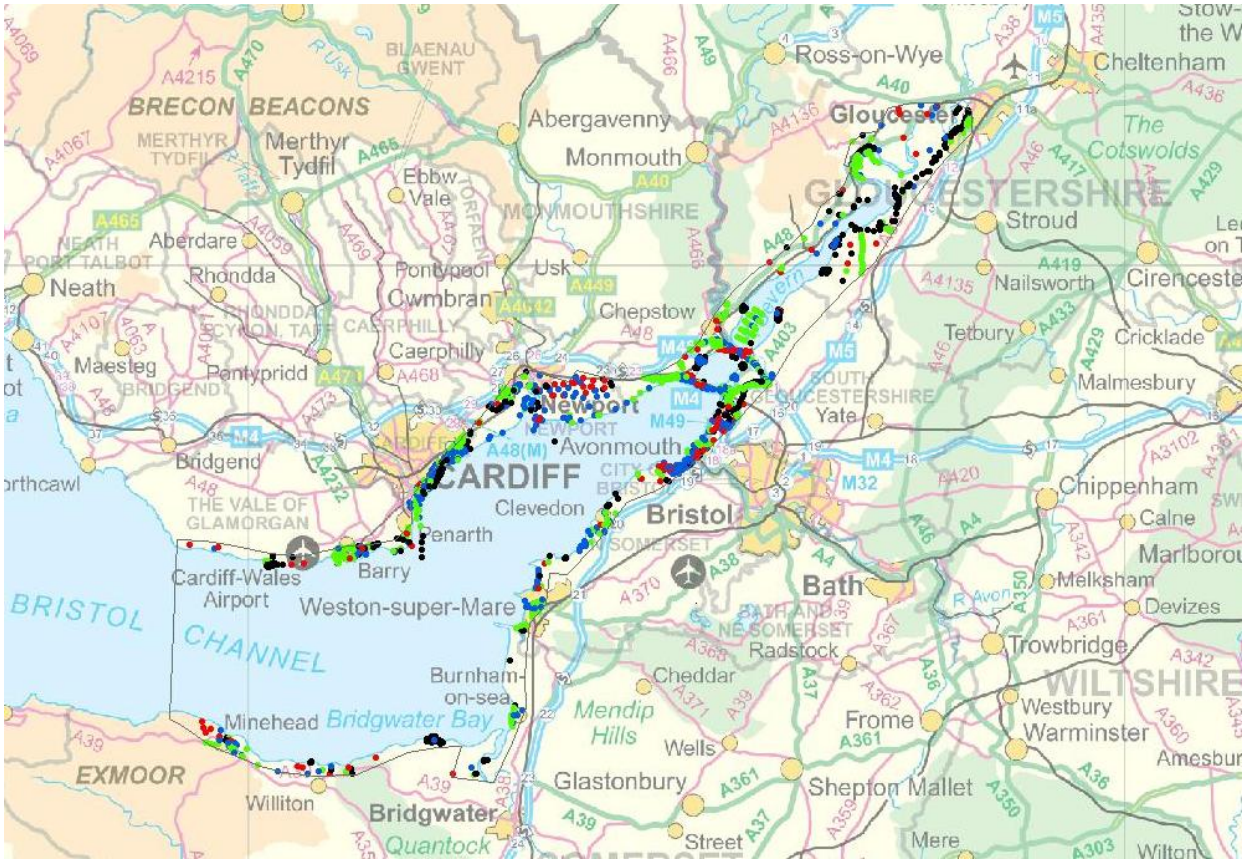

Figure 7. Map showing the general distribution of coast-proximal borehole records held by BGS (SOBI – Single Onshore Borehole Index). Boreholes in green are 0-10m in depth, blue are 10-30m in depth, red are 30m+, and black represents boreholes with an unknown terminal depth.

BGS has published a number of offshore geological maps and reports that cover the area of interest in the Severn Estuary and Inner Bristol Channel. These include 1;250k solid geology, quaternary geology and sea bed sediment distribution maps, special edition 1:50k solid geology and quaternary geology maps of the Inner Bristol Channel, as well as Offshore Regional Reports, which provide detailed information on the geology of the area.

BGS has also produced DigBath250, in conjunction with United Kingdom Hydrographic Office (http://www.bgs.ac.uk/products/digbath250/home.html). This is a vector attributed digital bathymetry of United Kingdom (UK) and adjacent European waters. The bathymetric contours are at 10m intervals down to 200m, and will also provide a useful tool in the 3D modelling of the estuary.

All of the data (especially borehole and offshore data) will need to be reviewed to assess its compatibility for producing a 3D model of the estuary. This costing will need to be considered at future stages of the project.

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Most of the references listed below are held in the Library of the British Geological Survey at Keyworth, Nottingham. Copies of the references may be purchased from the Library subject to the current copyright legislation.

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Appendix 1

BGS Data and Severn Estuary Bibliography.

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Non BGS Sample Sites

DGSQ	LAT	LON	NUM	EQ	WHEN	DEPTH	ORIGNUM	TD	REPTYR	REPTNO	S	CLI
+51-03	51.454	-2.99867	293	OG	01-Apr-88	22	133	0.1	1989	300	1	STP
+51-03	51.45433	-2.9785	294	OG	01-Apr-88	22	134	0.1	1989	300	1	STP
+51-03	51.45433	-2.95683	295	OG	01-Apr-88	20	135	0.1	1989	300	1	STP
+51-03	51.45433	-2.93533	296	OG	01-Apr-88	19	136	0.1	1989	300	1	STP
+51-03	51.45433	-2.91417	297	OG	01-Apr-88	15	137	0.1	1989	300	1	STP
+51-03	51.45417	-2.893	298	OG	01-Apr-88	16	138	0.1	1989	300	1	STP
+51-03	51.45417	-2.87133	299	OG	01-Apr-88	12	139	0.1	1989	300	1	STP
+51-03	51.45433	-2.85133	300	OG	01-Apr-88	12	140	0.1	1989	300	1	STP
+51-03	51.46767	-2.82867	301	OG	01-Apr-88	13	141	0.1	1989	300	1	STP
+51-03	51.4675	-2.84917	302	OG	01-Apr-88	18	142	0.1	1989	300	1	STP
+51-03	51.46733	-2.87133	303	OG	01-Apr-88	24	143	0.1	1989	300	1	STP
+51-03	51.46783	-2.892	304	OG	01-Apr-88	21	144	0.1	1989	300	1	STP
+51-03	51.468	-2.91383	305	OG	01-Apr-88	17	145	0.1	1989	300	1	STP
+51-03	51.46717	-2.9365	306	OG	01-Apr-88	16	146	0.1	1989	300	1	STP
+51-03	51.46783	-2.957	307	OG	01-Apr-88	18	147	0.1	1989	300	1	STP
+51-03	51.46783	-2.97767	308	OG	01-Apr-88	15	148	0.1	1989	300	1	STP
+51-03	51.467	-2.99883	309	OG	01-Apr-88	18	149	0.1	1989	300	1	STP
+51-03	51.5065	-2.99917	310	OG	01-Apr-88	12	343	0.1	1989	300	1	STP
+51-03	51.5205	-2.9985	311	OG	01-Apr-88	10	344	0.1	1989	300	1	STP
+51-03	51.52183	-2.979	312	OG	01-Apr-88	13	345	0.1	1989	300	1	STP
+51-03	51.534	-2.97783	313	OG	01-Apr-88	9	346	0.1	1989	300	1	STP
+51-03	51.534	-2.957	314	OG	01-Apr-88	9	347	0.1	1989	300	1	STP
+51-03	51.53433	-2.9355	315	OG	01-Apr-88	10	348	0.1	1989	300	1	STP
+51-03	51.53417	-2.91367	316	OG	01-Apr-88	12	349	0.1	1989	300	1	STP
+51-03	51.53433	-2.89283	317	OG	01-Apr-88	13	350A	0.1	1989	300	1	STP
+51-03	51.53433	-2.87217	318	OG	01-Apr-88	11	351	0.1	1989	300	1	STP
+51-03	51.53417	-2.851	319	OG	01-Apr-88	11	352	0.1	1989	300	1	STP
+51-03	51.5435	-2.85033	320	OG	01-Apr-88	9	353	0.1	1989	300	1	STP
+51-03	51.54783	-2.8295	321	OG	01-Apr-88	11	354	0.1	1989	300	1	STP
+51-03	51.547	-2.808	322	OG	01-Apr-88	9	355	0.1	1989	300	1	STP
+51-03	51.554	-2.80767	323	OG	01-Apr-88	8	356	0.1	1989	300	1	STP
+51-03	51.56083	-2.78617	324	OG	01-Apr-88	7	357	0.1	1989	300	1	STP
+51-03	51.54733	-2.78583	325	OG	01-Apr-88	9	358	0.1	1989	300	1	STP
+51-03	51.53417	-2.78583	326	OG	01-Apr-88	9	359	0.1	1989	300	1	STP
+51-03	51.534	-2.8075	327	OG	01-Apr-88	8	360	0.1	1989	300	1	STP
+51-03	51.53433	-2.829	328	OG	01-Apr-88	8	361	0.1	1989	300	1	STP
+51-03	51.5205	-2.82883	329	OG	01-Apr-88	7	362	0.1	1989	300	1	STP
+51-03	51.521	-2.84983	330	OG	01-Apr-88	8	363	0.1	1989	300	1	STP
+51-03	51.5205	-2.87167	331	OG	01-Apr-88	9	364	0.1	1989	300	1	STP
+51-03	51.49367	-2.9785	332	OG	01-Apr-88	15	365	0.1	1989	300	1	STP
+51-03	51.44017	-2.999	333	OG	01-Apr-88	18	368	0.1	1989	300	1	STP
+51-03	51.52133	-2.80767	334	OG	01-Apr-88	9	387	0.1	1989	300	1	STP
+51-03	51.52133	-2.7865	335	OG	01-Apr-88	10	388	0.1	1989	300	1	STP
+51-03	51.53517	-2.76417	336	OG	01-Apr-88	10	389	0.1	1989	300	1	STP
+51-03	51.547	-2.76567	337	OG	01-Apr-88	9	390	0.1	1989	300	1	STP
+51-03	51.56067	-2.765	338	OG	01-Apr-88	7	391	0.1	1989	300	1	STP
+51-03	51.57183	-2.76533	339	OG	01-Apr-88	6	392	0.1	1989	300	1	STP
+51-03	51.574	-2.7435	340	OG	01-Apr-88	6	393	0.1	1989	300	1	STP
+51-03	51.5735	-2.723	341	OG	01-Apr-88	10	394	0.1	1989	300	1	STP
+51-03	51.57433	-2.701	342	OG	01-Apr-88	14	395A	0.1	1989	300	1	STP
+51-03	51.442	-2.95683	343	OG	01-Apr-88	11	396	0.1	1989	300	1	STP
+51-03	51.44133	-2.979	344	OG	01-Apr-88	16	397	0.1	1989	300	1	STP
+51-03	51.428	-2.97767	345	OG	01-Apr-88	12	398	0.1	1989	300	1	STP
+51-03	51.42817	-2.9995	346	OG	01-Apr-88	13	399	0.1	1989	300	1	STP
+51-03	51.50767	-2.95783	347	OG	01-Apr-88	16	409	0.1	1989	300	1	STP
+51-03	51.52083	-2.9565	348	OG	01-Apr-88	9	410	0.1	1989	300	1	STP
+51-03	51.52183	-2.93633	349	OG	01-Apr-88	12	411	0.1	1989	300	1	STP
+51-03	51.52117	-2.914	350	OG	01-Apr-88	12	412	0.1	1989	300	1	STP
+51-03	51.5215	-2.89317	351	OG	01-Apr-88	12	413	0.1	1989	300	1	STP
+51-03	51.50683	-2.89367	352	OG	01-Apr-88	11	414	0.1	1989	300	1	STP
+51-03	51.50783	-2.8715	353	OG	01-Apr-88	12	415	0.1	1989	300	1	STP
+51-03	51.50717	-2.851	354	OG	01-Apr-88	6	416	0.1	1989	300	1	STP
+51-03	51.5065	-2.82967	355	OG	01-Apr-88	9	417	0.1	1989	300	1	STP

+51-03	51.5065	-2.80667	356	OG	01-Apr-88	16		418	0.1	1989	300	1	STP
+51-03	51.494	-2.8295	357	OG	01-Apr-88	18		419	0.1	1989	300	1	STP
+51-03	51.334	-2.9995	358	OG	01-Apr-88	5		423	0.1	1989	300	1	STP
+51-03	51.34017	-2.9995	359	OG	01-Apr-88	5		424	0.1	1989	300	1	STP
+51-03	51.34717	-2.999	360	OG	01-Apr-88	6		425	0.1	1989	300	1	STP
+51-03	51.36417	-2.983	361	OG	01-Apr-88	4		428	0.1	1989	300	1	STP
+51-03	51.37083	-2.98033	362	OG	01-Apr-88	3		429	0.1	1989	300	1	STP
+51-03	51.37433	-2.979	363	OG	01-Apr-88	4		430	0.1	1989	300	1	STP
+51-03	51.3805	-2.97883	364	OG	01-Apr-88	7		431	0.1	1989	300	1	STP
+51-03	51.38766	-2.98033	365	OG	01-Apr-88	14		432	0.1	1989	300	1	STP
+51-03	51.395	-2.978	366	OG	01-Apr-88	16		433	0.1	1989	300	1	STP
+51-03	51.394	-2.978	367	OG	01-Apr-88	12	433I		0.1	1989	300	1	STP
+51-03	51.37467	-2.9995	368	OG	01-Apr-88	20		455	0.1	1989	300	1	STP
+51-03	51.38766	-2.99917	369	OG	01-Apr-88	16	456A		0.1	1989	300	1	STP
+51-03	51.4005	-2.99933	370	OG	01-Apr-88	14	457A		0.1	1989	300	1	STP
+51-03	51.40067	-2.97783	371	OG	01-Apr-88	17	458A		0.1	1989	300	1	STP
+51-03	51.395	-2.95667	372	OG	01-Apr-88	8		459	0.1	1989	300	1	STP
+51-03	51.40067	-2.95683	373	OG	01-Apr-88	13		460	0.1	1989	300	1	STP
+51-03	51.40133	-2.93483	374	OG	01-Apr-88	13	461A		0.1	1989	300	1	STP
+51-03	51.40117	-2.9145	375	OG	01-Apr-88	7		462	0.1	1989	300	1	STP
+51-03	51.40767	-2.903	376	OG	01-Apr-88	9		463	0.1	1989	300	1	STP
+51-03	51.41383	-2.91433	377	OG	01-Apr-88	8		464	0.1	1989	300	1	STP
+51-03	51.4145	-2.89383	378	OG	01-Apr-88	2		465	0.1	1989	300	1	STP
+51-03	51.42083	-2.88917	379	OG	01-Apr-88	2		466	0.1	1989	300	1	STP
+51-03	51.42717	-2.89333	380	OG	01-Apr-88	10	467A		0.1	1989	300	1	STP
+51-03	51.4335	-2.884	381	OG	01-Apr-88	15		468	0.1	1989	300	1	STP
+51-03	51.44083	-2.87183	382	OG	01-Apr-88	13		469	0.1	1989	300	1	STP
+51-03	51.4475	-2.86233	383	OG	01-Apr-88	13		470	0.1	1989	300	1	STP
+51-03	51.44117	-2.893	384	OG	01-Apr-88	13		471	0.1	1989	300	1	STP
+51-03	51.44133	-2.91417	385	OG	01-Apr-88	14		472	0.1	1989	300	1	STP
+51-03	51.44067	-2.93583	386	OG	01-Apr-88	13		473	0.1	1989	300	1	STP
+51-03	51.428	-2.93567	387	OG	01-Apr-88	14		475	0.1	1989	300	1	STP
+51-03	51.4145	-2.99633	388	OG	01-Apr-88	15		537	0.1	1989	300	1	STP
+51-03	51.41417	-2.97833	389	OG	01-Apr-88	15	538A		0.1	1989	300	1	STP
+51-03	51.41317	-2.957	390	OG	01-Apr-88	15		539	0.1	1989	300	1	STP
+51-03	51.41267	-2.93433	391	OG	01-Apr-88	12		540	0.1	1989	300	1	STP
+51-03	51.4145	-2.99633	392	OG	01-Apr-88	15		537	0.1	1989	300	1	STP
+51-03	51.41417	-2.97833	393	OG	01-Apr-88	15	538A		0.1	1989	300	1	STP
+51-03	51.41317	-2.957	394	OG	01-Apr-88	15		539	0.1	1989	300	1	STP
+51-03	51.41267	-2.93433	395	OG	01-Apr-88	12		540	0.1	1989	300	1	STP
+51-03	51.48034	-2.872	396	OG	01-May-88	16		556	0.1	1989	300	1	STP
+51-03	51.4815	-2.84967	397	OG	01-May-88	25		557	0.1	1989	300	1	STP
+51-03	51.48117	-2.83067	398	OG	01-May-88	25		558	0.1	1989	300	1	STP
+51-03	51.48133	-2.81067	399	OG	01-May-88	16		559	0.1	1989	300	1	STP
+51-03	51.49833	-2.76717	400	OG	01-May-88	22		560	0.1	1989	300	1	STP
+51-03	51.497	-2.745	401	OG	01-May-88	5		561	0.1	1989	300	1	STP
+51-03	51.50834	-2.722	402	OG	01-May-88	18		562	0.1	1989	300	1	STP
+51-03	51.51033	-2.7395	403	OG	01-May-88	16		563	0.1	1989	300	1	STP
+51-03	51.51017	-2.764	404	OG	01-May-88	15		564	0.1	1989	300	1	STP
+51-03	51.5085	-2.78617	405	OG	01-May-88	19		565	0.1	1989	300	1	STP
+51-03	51.49417	-2.7865	406	OG	01-May-88	20		566	0.1	1989	300	1	STP
+51-03	51.4945	-2.8075	407	OG	01-May-88	22		567	0.1	1989	300	1	STP
+51-03	51.5225	-2.7015	408	OG	01-May-88	11		578	0.1	1989	300	1	STP
+51-03	51.535	-2.70033	409	OG	01-May-88	12		579	0.1	1989	300	1	STP
+51-03	51.53667	-2.68517	410	OG	01-May-88	7		580	0.1	1989	300	1	STP
+51-03	51.54716	-2.67967	411	OG	01-May-88	8		581	0.1	1989	300	1	STP
+51-03	51.561	-2.678	412	OG	01-May-88	9	582A		0.1	1989	300	1	STP
+51-03	51.57467	-2.67817	413	OG	01-May-88	8	583A		0.1	1989	300	1	STP
+51-03	51.57483	-2.66633	414	OG	01-May-88	10	584A		0.1	1989	300	1	STP
+51-03	51.58717	-2.658	415	OG	01-May-88	16		585	0.1	1989	300	1	STP
+51-03	51.58767	-2.67967	416	OG	01-May-88	14		586	0.1	1989	300	1	STP
+51-03	51.56116	-2.702	417	OG	01-May-88	27		587	0.1	1989	300	1	STP
+51-03	51.548	-2.70033	418	OG	01-May-88	11		588	0.1	1989	300	1	STP
+51-03	51.54716	-2.72267	419	OG	01-May-88	14		589	0.1	1989	300	1	STP
+51-03	51.5335	-2.72267	420	OG	01-May-88	15	590A		0.1	1989	300	1	STP
+51-03	51.53533	-2.72133	421	OG	01-May-88	18	590AI		0.1	1989	300	1	STP

+51-03	51.521	-2.72233	422	OG	01-May-88	17		591	0.1	1989	300	1	STP
+51-03	51.50683	-2.97767	423	OG	01-May-88	10		592	0.1	1989	300	1	STP
+51-03	51.50717	-2.93417	424	OG	01-May-88	16	593A		0.1	1989	300	1	STP
+51-03	51.507	-2.9135	425	OG	01-May-88	7		594	0.1	1989	300	1	STP
+51-03	51.52067	-2.7655	426	OG	01-May-88	15		595	0.1	1989	300	1	STP
+51-03	51.521	-2.74333	427	OG	01-May-88	12		596	0.1	1989	300	1	STP
+51-03	51.5335	-2.7435	428	OG	01-May-88	12		597	0.1	1989	300	1	STP
+51-03	51.54733	-2.74383	429	OG	01-May-88	9		598	0.1	1989	300	1	STP
+51-03	51.5605	-2.74483	430	OG	01-May-88	7	599A		0.1	1989	300	1	STP
+51-03	51.56083	-2.72183	431	OG	01-May-88	11	600A		0.1	1989	300	1	STP
+51-03	51.42733	-2.95683	432	OG	01-May-88	15		601	0.1	1989	300	1	STP
+51-03	51.42717	-2.91383	433	OG	01-May-88	10		602	0.1	1989	300	1	STP
+51-03	51.481	-2.91433	434	OG	01-May-88	11		603	0.1	1989	300	1	STP
+51-03	51.48117	-2.89283	435	OG	01-May-88	18		604	0.1	1989	300	1	STP
+51-03	51.494	-2.892	436	OG	01-May-88	7		605	0.1	1989	300	1	STP
+51-03	51.495	-2.87183	437	OG	01-May-88	7		606	0.1	1989	300	1	STP
+51-03	51.49483	-2.85033	438	OG	01-May-88	8		607	0.1	1989	300	1	STP
+51-03	51.49434	-2.91433	439	OG	01-May-88	9		608	0.1	1989	300	1	STP
+51-03	51.495	-2.93517	440	OG	01-May-88	7		609	0.1	1989	300	1	STP
+51-03	51.48117	-2.93567	441	OG	01-May-88	10		610	0.1	1989	300	1	STP
+51-03	51.48117	-2.9565	442	OG	01-May-88	7		611	0.1	1989	300	1	STP
+51-03	51.48167	-2.97867	443	OG	01-May-88	17		612	0.1	1989	300	1	STP
+51-03	51.49517	-2.95717	444	OG	01-May-88	18		613	0.1	1989	300	1	STP
+51-03	51.45833	-2.99	707	OG	01-Jul-89	9	464/M26		0.05				ADM
+51-03	51.48	-2.99	708	OG	01-Jul-89	5	464/N26		0.05				ADM
+51-03	51.49667	-2.96333	709	OG	01-Jul-89	1	464/NO27		0.05				ADM
+51-03	51.50333	-2.99167	710	OG	01-Jul-89	1	464/O26		0.05				ADM
+51-03	51.51833	-2.97333	711	OG	01-Jul-89	1	464/OP27		0.05				ADM
+51-04	51.23833	-3.53667	1214	GS			CM6		0				USW
+51-04	51.34499	-3.46833	1215	GS			CM4		0				USW
+51-04	51.34332	-3.49	1216	GS			CM3		0				USW
+51-04	51.39166	-3.54167	1217	GS			CM2		0				USW
+51-04	51.443	-3.15333	2089	OG	01-Mar-88	7		1	0.1	1989	300	1	STP
+51-04	51.4425	-3.12767	2090	OG	01-Mar-88	9		2	0.1	1989	300	1	STP
+51-04	51.429	-3.12717	2091	OG	01-Mar-88	13		3	0.1	1989	300	1	STP
+51-04	51.429	-3.15	2092	OG	01-Mar-88	8		4	0.1	1989	300	1	STP
+51-04	51.3875	-3.1925	2093	OG	01-Apr-88	15		5	0.1	1989	300	1	STP
+51-04	51.3875	-3.21283	2094	OG	01-Apr-88	14		6	0.1	1989	300	1	STP
+51-04	51.3875	-3.23467	2095	OG	01-Apr-88	17		7	0.1	1989	300	1	STP
+51-04	51.38733	-3.25633	2096	OG	01-Apr-88	16	8A		0.1	1989	300	1	STP
+51-04	51.37433	-3.29833	2097	OG	01-Apr-88	15	9A		0.1	1989	300	1	STP
+51-04	51.37417	-3.3195	2098	OG	01-Apr-88	13	10A		0.1	1989	300	1	STP
+51-04	51.374	-3.34117	2099	OG	01-Apr-88	13	11A		0.1	1989	300	1	STP
+51-04	51.374	-3.36267	2100	OG	01-Apr-88	13	12A		0.1	1989	300	1	STP
+51-04	51.37433	-3.38333	2101	OG	01-Apr-88	11	13A		0.1	1989	300	1	STP
+51-04	51.37383	-3.40533	2102	OG	01-Apr-88	10	14A		0.1	1989	300	1	STP
+51-04	51.37417	-3.42617	2103	OG	01-Apr-88	12		15	0.1	1989	300	1	STP
+51-04	51.37383	-3.44733	2104	OG	01-Apr-88	17	16A		0.1	1989	300	1	STP
+51-04	51.37433	-3.469	2105	OG	01-Apr-88	20	17A		0.1	1989	300	1	STP
+51-04	51.37417	-3.4915	2106	OG	01-Apr-88	21	18A		0.1	1989	300	1	STP
+51-04	51.3745	-3.51183	2107	OG	01-Apr-88	22	19A		0.1	1989	300	1	STP
+51-04	51.37433	-3.53283	2108	OG	01-Apr-88	26		20	0.1	1989	300	1	STP
+51-04	51.374	-3.55367	2109	OG	01-Apr-88	19	21A		0.1	1989	300	1	STP
+51-04	51.36117	-3.55433	2110	OG	01-Apr-88	12	22A		0.1	1989	300	1	STP
+51-04	51.36117	-3.53333	2111	OG	01-Apr-88	29	23A		0.1	1989	300	1	STP
+51-04	51.361	-3.51283	2112	OG	01-Apr-88	20	24A		0.1	1989	300	1	STP
+51-04	51.361	-3.49033	2113	OG	01-Apr-88	23	25A		0.1	1989	300	1	STP
+51-04	51.37433	-3.2125	2114	OG	01-Apr-88	20	26A		0.1	1989	300	1	STP
+51-04	51.374	-3.23433	2115	OG	01-Apr-88	20	27A		0.1	1989	300	1	STP
+51-04	51.374	-3.25567	2116	OG	01-Apr-88	19	28A		0.1	1989	300	1	STP
+51-04	51.374	-3.27733	2117	OG	01-Apr-88	22		29	0.1	1989	300	1	STP
+51-04	51.38733	-3.448	2118	OG	01-Apr-88	6	30A		0.1	1989	300	1	STP
+51-04	51.38717	-3.46933	2119	OG	01-Apr-88	17	31A		0.1	1989	300	1	STP
+51-04	51.3875	-3.4905	2120	OG	01-Apr-88	18	32A		0.1	1989	300	1	STP
+51-04	51.38783	-3.51233	2121	OG	01-Apr-88	21	33A		0.1	1989	300	1	STP
+51-04	51.3875	-3.5335	2122	OG	01-Apr-88	22	34A		0.1	1989	300	1	STP

+51-04	51.38717	-3.55417	2123	OG	01-Apr-88	20	35A		0.1	1989	300	1	STP
+51-04	51.38733	-3.57533	2124	OG	01-Apr-88	18	36A		0.1	1989	300	1	STP
+51-04	51.4155	-3.577	2145	OG	01-Apr-88	7	57A		0.1	1989	300	1	STP
+51-04	51.35933	-3.44683	2146	OG	01-Apr-88	20	58A		0.1	1989	300	1	STP
+51-04	51.36083	-3.40433	2147	OG	01-Apr-88	20	59A		0.1	1989	300	1	STP
+51-04	51.41367	-3.14883	2148	OG	01-Apr-88	18		60	0.1	1989	300	1	STP
+51-04	51.39983	-3.14933	2149	OG	01-Apr-88	19	61A		0.1	1989	300	1	STP
+51-04	51.38783	-3.14883	2150	OG	01-Apr-88	20	62A		0.1	1989	300	1	STP
+51-04	51.3745	-3.14917	2151	OG	01-Apr-88	19	63A		0.1	1989	300	1	STP
+51-04	51.3605	-3.1485	2152	OG	01-Apr-88	31		64	0.1	1989	300	1	STP
+51-04	51.34733	-3.14967	2153	OG	01-Apr-88	30	65A		0.1	1989	300	1	STP
+51-04	51.33567	-3.14833	2154	OG	01-Apr-88	28		66	0.1	1989	300	1	STP
+51-04	51.33383	-3.17117	2155	OG	01-Apr-88	30		67	0.1	1989	300	1	STP
+51-04	51.33383	-3.1925	2156	OG	01-Apr-88	28		68	0.1	1989	300	1	STP
+51-04	51.33433	-3.2135	2157	OG	01-Apr-88	27	69A		0.1	1989	300	1	STP
+51-04	51.334	-3.2335	2158	OG	01-Apr-88	20	70A		0.1	1989	300	1	STP
+51-04	51.33467	-3.2565	2159	OG	01-Apr-88	20	71A		0.1	1989	300	1	STP
+51-04	51.33417	-3.29933	2160	OG	01-Apr-88	22	72A		0.1	1989	300	1	STP
+51-04	51.33383	-3.34033	2161	OG	01-Apr-88	18	73A		0.1	1989	300	1	STP
+51-04	51.33467	-3.384	2162	OG	01-Apr-88	25	74A		0.1	1989	300	1	STP
+51-04	51.33417	-3.4265	2163	OG	01-Apr-88	25	75A		0.1	1989	300	1	STP
+51-04	51.334	-3.46783	2164	OG	01-Apr-88	25	76A		0.1	1989	300	1	STP
+51-04	51.334	-3.51283	2165	OG	01-Apr-88	23	77A		0.1	1989	300	1	STP
+51-04	51.33383	-3.555	2166	OG	01-Apr-88	25	78A		0.1	1989	300	1	STP
+51-04	51.308	-3.576	2175	OG	01-Apr-88	36	87A		0.1	1989	300	1	STP
+51-04	51.30733	-3.533	2176	OG	01-Apr-88	25	88A		0.1	1989	300	1	STP
+51-04	51.308	-3.49017	2177	OG	01-Apr-88	31	89A		0.1	1989	300	1	STP
+51-04	51.30684	-3.44267	2178	OG	01-Apr-88	27	90A		0.1	1989	300	1	STP
+51-04	51.30783	-3.40583	2179	OG	01-Apr-88	29	91A		0.1	1989	300	1	STP
+51-04	51.3075	-3.361	2180	OG	01-Apr-88	22	92A		0.1	1989	300	1	STP
+51-04	51.30817	-3.3195	2181	OG	01-Apr-88	25	93A		0.1	1989	300	1	STP
+51-04	51.30733	-3.2775	2182	OG	01-Apr-88	20	94A		0.1	1989	300	1	STP
+51-04	51.28083	-3.17033	2183	OG	01-Apr-88	18		95	0.1	1989	300	1	STP
+51-04	51.28117	-3.19183	2184	OG	01-Apr-88	17		96	0.1	1989	300	1	STP
+51-04	51.28083	-3.21317	2185	OG	01-Apr-88	21		97	0.1	1989	300	1	STP
+51-04	51.28067	-3.2345	2186	OG	01-Apr-88	21		98	0.1	1989	300	1	STP
+51-04	51.28117	-3.256	2187	OG	01-Apr-88	17		99	0.1	1989	300	1	STP
+51-04	51.28067	-3.27667	2188	OG	01-Apr-88	16		100	0.1	1989	300	1	STP
+51-04	51.28117	-3.29817	2189	OG	01-Apr-88	11		101	0.1	1989	300	1	STP
+51-04	51.281	-3.32	2190	OG	01-Apr-88	18		102	0.1	1989	300	1	STP
+51-04	51.28017	-3.339	2191	OG	01-Apr-88	25		103	0.1	1989	300	1	STP
+51-04	51.28083	-3.363	2192	OG	01-Apr-88	28		104	0.1	1989	300	1	STP
+51-04	51.28117	-3.38467	2193	OG	01-Apr-88	24	105A		0.1	1989	300	1	STP
+51-04	51.28083	-3.40483	2194	OG	01-Apr-88	27	106A		0.1	1989	300	1	STP
+51-04	51.28117	-3.44833	2195	OG	01-Apr-88	25	107A		0.1	1989	300	1	STP
+51-04	51.281	-3.47017	2196	OG	01-Apr-88	31	108A		0.1	1989	300	1	STP
+51-04	51.281	-3.51367	2197	OG	01-Apr-88	34	109A		0.1	1989	300	1	STP
+51-04	51.28017	-3.55567	2198	OG	01-Apr-88	31	110A		0.1	1989	300	1	STP
+51-04	51.25467	-3.57417	2208	OG	01-Apr-88	25	120A		0.1	1989	300	1	STP
+51-04	51.25433	-3.53317	2209	OG	01-Apr-88	22	121A		0.1	1989	300	1	STP
+51-04	51.25383	-3.49033	2210	OG	01-Apr-88	21	122A		0.1	1989	300	1	STP
+51-04	51.25417	-3.448	2211	OG	01-Apr-88	24	123A		0.1	1989	300	1	STP
+51-04	51.254	-3.40467	2212	OG	01-Apr-88	29	124A		0.1	1989	300	1	STP
+51-04	51.25433	-3.36417	2213	OG	01-Apr-88	20		125	0.1	1989	300	1	STP
+51-04	51.25433	-3.34117	2214	OG	01-Apr-88	16		126	0.1	1989	300	1	STP
+51-04	51.45483	-3.12717	2215	OG	01-Apr-88	6		127	0.1	1989	300	1	STP
+51-04	51.454	-3.107	2216	OG	01-Apr-88	12		128	0.1	1989	300	1	STP
+51-04	51.454	-3.084	2217	OG	01-Apr-88	14		129	0.1	1989	300	1	STP
+51-04	51.454	-3.06333	2218	OG	01-Apr-88	13		130	0.1	1989	300	1	STP
+51-04	51.45433	-3.04367	2219	OG	01-Apr-88	13		131	0.1	1989	300	1	STP
+51-04	51.45433	-3.02067	2220	OG	01-Apr-88	22		132	0.1	1989	300	1	STP
+51-04	51.467	-3.0205	2221	OG	01-Apr-88	13		150	0.1	1989	300	1	STP
+51-04	51.46733	-3.0425	2222	OG	01-Apr-88	12		151	0.1	1989	300	1	STP
+51-04	51.46783	-3.06383	2223	OG	01-Apr-88	12		152	0.1	1989	300	1	STP
+51-04	51.46783	-3.08517	2224	OG	01-Apr-88	9		153	0.1	1989	300	1	STP
+51-04	51.468	-3.10667	2225	OG	01-Apr-88	10		154	0.1	1989	300	1	STP

+51-04	51.46733	-3.128	2226	OG	01-Apr-88	6		155	0.1	1989	300	1	STP
+51-04	51.41417	-3.12683	2227	OG	01-Apr-88	9		156	0.1	1989	300	1	STP
+51-04	51.39983	-3.1275	2228	OG	01-Apr-88	18	157A		0.1	1989	300	1	STP
+51-04	51.38717	-3.12833	2229	OG	01-Apr-88	17	158A		0.1	1989	300	1	STP
+51-04	51.24117	-3.59567	2231	OG	01-Apr-88	16	218A		0.1	1989	300	1	STP
+51-04	51.2415	-3.554	2233	OG	01-Apr-88	22	220A		0.1	1989	300	1	STP
+51-04	51.227	-3.48767	2234	OG	01-Apr-88	11	221A		0.1	1989	300	1	STP
+51-04	51.21483	-3.4675	2235	OG	01-Apr-88	6	222A		0.1	1989	300	1	STP
+51-04	51.2145	-3.4475	2236	OG	01-Apr-88	6		223	0.1	1989	300	1	STP
+51-04	51.21467	-3.4265	2237	OG	01-Apr-88	15	224A		0.1	1989	300	1	STP
+51-04	51.20067	-3.40567	2238	OG	01-Apr-88	11	225A		0.1	1989	300	1	STP
+51-04	51.20033	-3.38367	2239	OG	01-Apr-88	15		226	0.1	1989	300	1	STP
+51-04	51.3745	-3.12633	2240	OG	01-Apr-88	10	159A		0.1	1989	300	1	STP
+51-04	51.36033	-3.12867	2241	OG	01-Apr-88	30	160A		0.1	1989	300	1	STP
+51-04	51.3675	-3.12717	2242	OG	01-Apr-88	15		161	0.1	1989	300	1	STP
+51-04	51.3475	-3.12783	2243	OG	01-Apr-88	16	162A		0.1	1989	300	1	STP
+51-04	51.334	-3.12783	2244	OG	01-Apr-88	16		163	0.1	1989	300	1	STP
+51-04	51.32067	-3.12783	2245	OG	01-Apr-88	13		164	0.1	1989	300	1	STP
+51-04	51.30733	-3.128	2246	OG	01-Apr-88	14		165	0.1	1989	300	1	STP
+51-04	51.2935	-3.12817	2247	OG	01-Apr-88	11		166	0.1	1989	300	1	STP
+51-04	51.28033	-3.128	2248	OG	01-Apr-88	10		167	0.1	1989	300	1	STP
+51-04	51.2675	-3.12767	2249	OG	01-Apr-88	8		168	0.1	1989	300	1	STP
+51-04	51.25417	-3.12783	2250	OG	01-Apr-88	8		169	0.1	1989	300	1	STP
+51-04	51.25417	-3.15017	2251	OG	01-Apr-88	11		170	0.1	1989	300	1	STP
+51-04	51.25383	-3.17133	2252	OG	01-Apr-88	12		171	0.1	1989	300	1	STP
+51-04	51.25383	-3.19133	2253	OG	01-Apr-88	12	172A		0.1	1989	300	1	STP
+51-04	51.25333	-3.2135	2254	OG	01-Apr-88	14		173	0.1	1989	300	1	STP
+51-04	51.25383	-3.234	2255	OG	01-Apr-88	16		174	0.1	1989	300	1	STP
+51-04	51.25367	-3.2565	2256	OG	01-Apr-88	14		175	0.1	1989	300	1	STP
+51-04	51.2545	-3.27633	2257	OG	01-Apr-88	15	176A		0.1	1989	300	1	STP
+51-04	51.25433	-3.29883	2258	OG	01-Apr-88	18		177	0.1	1989	300	1	STP
+51-04	51.25433	-3.31833	2259	OG	01-Apr-88	16	178A		0.1	1989	300	1	STP
+51-04	51.24067	-3.32033	2260	OG	01-Apr-88	18	179A		0.1	1989	300	1	STP
+51-04	51.241	-3.2975	2261	OG	01-Apr-88	16	180A		0.1	1989	300	1	STP
+51-04	51.2405	-3.27783	2262	OG	01-Apr-88	16	181A		0.1	1989	300	1	STP
+51-04	51.24017	-3.25583	2263	OG	01-Apr-88	16	182A		0.1	1989	300	1	STP
+51-04	51.24033	-3.23467	2264	OG	01-Apr-88	19		183	0.1	1989	300	1	STP
+51-04	51.24083	-3.213	2265	OG	01-Apr-88	15		184	0.1	1989	300	1	STP
+51-04	51.2415	-3.19083	2266	OG	01-Apr-88	17		185	0.1	1989	300	1	STP
+51-04	51.24133	-3.17133	2267	OG	01-Apr-88	14		186	0.1	1989	300	1	STP
+51-04	51.24117	-3.14833	2268	OG	01-Apr-88	12		187	0.1	1989	300	1	STP
+51-04	51.24117	-3.12733	2269	OG	01-Apr-88	11		188	0.1	1989	300	1	STP
+51-04	51.24117	-3.10633	2270	OG	01-Apr-88	11		189	0.1	1989	300	1	STP
+51-04	51.24117	-3.08567	2271	OG	01-Apr-88	8		190	0.1	1989	300	1	STP
+51-04	51.241	-3.06433	2272	OG	01-Apr-88	8		191	0.1	1989	300	1	STP
+51-04	51.24117	-3.0425	2273	OG	01-Apr-88	7		192	0.1	1989	300	1	STP
+51-04	51.24117	-3.02017	2274	OG	01-Apr-88	4		193	0.1	1989	300	1	STP
+51-04	51.2535	-3.02117	2275	OG	01-Apr-88	4		194	0.1	1989	300	1	STP
+51-04	51.271	-3.02217	2276	OG	01-Apr-88	3		195	0.1	1989	300	1	STP
+51-04	51.2815	-3.02067	2277	OG	01-Apr-88	4		196	0.1	1989	300	1	STP
+51-04	51.29433	-3.021	2278	OG	01-Apr-88	6		197	0.1	1989	300	1	STP
+51-04	51.30733	-3.021	2279	OG	01-Apr-88	7		198	0.1	1989	300	1	STP
+51-04	51.321	-3.02167	2280	OG	01-Apr-88	7		199	0.1	1989	300	1	STP
+51-04	51.32167	-3.04317	2281	OG	01-Apr-88	17		200	0.1	1989	300	1	STP
+51-04	51.33467	-3.04283	2282	OG	01-Apr-88	24	201A		0.1	1989	300	1	STP
+51-04	51.388	-3.104	2283	OG	01-Apr-88	20		202	0.1	1989	300	1	STP
+51-04	51.3725	-3.1065	2284	OG	01-Apr-88	30	203A		0.1	1989	300	1	STP
+51-04	51.36	-3.10717	2285	OG	01-Apr-88	18	204A		0.1	1989	300	1	STP
+51-04	51.34783	-3.106	2286	OG	01-Apr-88	17	205A		0.1	1989	300	1	STP
+51-04	51.33383	-3.10633	2287	OG	01-Apr-88	16		206	0.1	1989	300	1	STP
+51-04	51.32084	-3.10617	2288	OG	01-Apr-88	16		207	0.1	1989	300	1	STP
+51-04	51.29367	-3.10683	2289	OG	01-Apr-88	14		209	0.1	1989	300	1	STP
+51-04	51.281	-3.10583	2290	OG	01-Apr-88	12		210	0.1	1989	300	1	STP
+51-04	51.26717	-3.1065	2291	OG	01-Apr-88	12		211	0.1	1989	300	1	STP
+51-04	51.25433	-3.10617	2292	OG	01-Apr-88	7		212	0.1	1989	300	1	STP
+51-04	51.203	-3.365	2297	OG	01-Apr-88	17		227	0.1	1989	300	1	STP

+51-04	51.228	-3.12733	2298	OG	01-Apr-88	6		228	0.1	1989	300	1	STP
+51-04	51.22733	-3.14917	2299	OG	01-Apr-88	8		229	0.1	1989	300	1	STP
+51-04	51.22733	-3.17117	2300	OG	01-Apr-88	10		230	0.1	1989	300	1	STP
+51-04	51.22733	-3.19233	2301	OG	01-Apr-88	13		231	0.1	1989	300	1	STP
+51-04	51.228	-3.21233	2302	OG	01-Apr-88	13	232A		0.1	1989	300	1	STP
+51-04	51.22783	-3.23383	2303	OG	01-Apr-88	14		233	0.1	1989	300	1	STP
+51-04	51.22783	-3.25533	2304	OG	01-Apr-88	14		234	0.1	1989	300	1	STP
+51-04	51.22766	-3.27617	2305	OG	01-Apr-88	14		235	0.1	1989	300	1	STP
+51-04	51.2275	-3.298	2306	OG	01-Apr-88	13	236A		0.1	1989	300	1	STP
+51-04	51.22783	-3.32067	2307	OG	01-Apr-88	13		237	0.1	1989	300	1	STP
+51-04	51.30684	-3.10733	2308	OG	01-Apr-88	16		208	0.1	1989	300	1	STP
+51-04	51.241	-3.3405	2309	OG	01-Apr-88	16	238(2)		0.1	1989	300	1	STP
+51-04	51.24083	-3.34117	2310	OG	01-Apr-88	16	238(3)		0.1	1989	300	1	STP
+51-04	51.24067	-3.3615	2311	OG	01-Apr-88	17	239A		0.1	1989	300	1	STP
+51-04	51.24067	-3.383	2312	OG	01-Apr-88	16		240	0.1	1989	300	1	STP
+51-04	51.24067	-3.405	2313	OG	01-Apr-88	16	241A		0.1	1989	300	1	STP
+51-04	51.24117	-3.42717	2314	OG	01-Apr-88	17	242A		0.1	1989	300	1	STP
+51-04	51.24067	-3.44867	2315	OG	01-Apr-88	18	243A		0.1	1989	300	1	STP
+51-04	51.24067	-3.46967	2316	OG	01-Apr-88	19	244A		0.1	1989	300	1	STP
+51-04	51.24067	-3.51233	2317	OG	01-Apr-88	18	245A		0.1	1989	300	1	STP
+51-04	51.22783	-3.46967	2318	OG	01-Apr-88	17		246	0.1	1989	300	1	STP
+51-04	51.227	-3.44817	2319	OG	01-Apr-88	17		247	0.1	1989	300	1	STP
+51-04	51.22733	-3.42633	2320	OG	01-Apr-88	16	248A		0.1	1989	300	1	STP
+51-04	51.22733	-3.40583	2321	OG	01-Apr-88	16	249A		0.1	1989	300	1	STP
+51-04	51.21383	-3.40533	2322	OG	01-Apr-88	13	250A		0.1	1989	300	1	STP
+51-04	51.214	-3.3835	2323	OG	01-Apr-88	14		251	0.1	1989	300	1	STP
+51-04	51.21467	-3.36067	2324	OG	01-Apr-88	15		252	0.1	1989	300	1	STP
+51-04	51.1975	-3.33883	2325	OG	01-Apr-88	12		253	0.1	1989	300	1	STP
+51-04	51.201	-3.3385	2326	OG	01-Apr-88	13		254	0.1	1989	300	1	STP
+51-04	51.20117	-3.29917	2327	OG	01-Apr-88	13		255	0.1	1989	300	1	STP
+51-04	51.20117	-3.27667	2328	OG	01-Apr-88		256A		0.1	1989	300	1	STP
+51-04	51.2015	-3.255	2329	OG	01-Apr-88	12		257	0.1	1989	300	1	STP
+51-04	51.20133	-3.234	2330	OG	01-Apr-88	9	258A		0.1	1989	300	1	STP
+51-04	51.2015	-3.21383	2331	OG	01-Apr-88	9		259	0.1	1989	300	1	STP
+51-04	51.20583	-3.19117	2332	OG	01-Apr-88	6	260A		0.1	1989	300	1	STP
+51-04	51.204	-3.17	2333	OG	01-Apr-88	6		261	0.1	1989	300	1	STP
+51-04	51.441	-3.10533	2334	OG	01-Apr-88	14		262	0.1	1989	300	1	STP
+51-04	51.42783	-3.10633	2335	OG	01-Apr-88	17		263	0.1	1989	300	1	STP
+51-04	51.4145	-3.10567	2336	OG	01-Apr-88	27	264I		0.1	1989	300	1	STP
+51-04	51.40083	-3.10617	2337	OG	01-Apr-88	18		265	0.1	1989	300	1	STP
+51-04	51.36217	-3.04167	2338	OG	01-Apr-88	23		266	0.1	1989	300	1	STP
+51-04	51.34783	-3.0425	2339	OG	01-Apr-88	27		267	0.1	1989	300	1	STP
+51-04	51.3075	-3.04267	2340	OG	01-Apr-88	9		268	0.1	1989	300	1	STP
+51-04	51.29417	-3.0425	2341	OG	01-Apr-88	9		269	0.1	1989	300	1	STP
+51-04	51.28083	-3.04217	2342	OG	01-Apr-88	7		270	0.1	1989	300	1	STP
+51-04	51.26867	-3.04467	2343	OG	01-Apr-88	3		271	0.1	1989	300	1	STP
+51-04	51.26783	-3.064	2344	OG	01-Apr-88	6		272	0.1	1989	300	1	STP
+51-04	51.268	-3.08483	2345	OG	01-Apr-88	10		273	0.1	1989	300	1	STP
+51-04	51.25633	-3.0875	2346	OG	01-Apr-88	6		274	0.1	1989	300	1	STP
+51-04	51.21417	-3.2555	2347	OG	01-Apr-88	12	275A		0.1	1989	300	1	STP
+51-04	51.21417	-3.277	2348	OG	01-Apr-88	9	276A		0.1	1989	300	1	STP
+51-04	51.21417	-3.29867	2349	OG	01-Apr-88	12		277	0.1	1989	300	1	STP
+51-04	51.2145	-3.32	2350	OG	01-Apr-88	13	278A		0.1	1989	300	1	STP
+51-04	51.2145	-3.341	2351	OG	01-Apr-88	12	279A		0.1	1989	300	1	STP
+51-04	51.22833	-3.33917	2352	OG	01-Apr-88	13	280A		0.1	1989	300	1	STP
+51-04	51.2275	-3.36167	2353	OG	01-Apr-88	13		281	0.1	1989	300	1	STP
+51-04	51.2275	-3.383	2354	OG	01-Apr-88	14		282	0.1	1989	300	1	STP
+51-04	51.20067	-3.29983	2355	OG	01-Apr-88	9		283	0.1	1989	300	1	STP
+51-04	51.21467	-3.2345	2356	OG	01-Apr-88	7	284A		0.1	1989	300	1	STP
+51-04	51.21467	-3.21267	2357	OG	01-Apr-88	11		285	0.1	1989	300	1	STP
+51-04	51.214	-3.19183	2358	OG	01-Apr-88	9		286	0.1	1989	300	1	STP
+51-04	51.21433	-3.17033	2359	OG	01-Apr-88	7		287	0.1	1989	300	1	STP
+51-04	51.21433	-3.1485	2360	OG	01-Apr-88	7		288	0.1	1989	300	1	STP
+51-04	51.21733	-3.12683	2361	OG	01-Apr-88	9		289	0.1	1989	300	1	STP
+51-04	51.25467	-3.06367	2362	OG	01-Apr-88	6		290	0.1	1989	300	1	STP
+51-04	51.25433	-3.0405	2363	OG	01-Apr-88	5		291	0.1	1989	300	1	STP

+51-04	51.28133	-3.06417	2364	OG	01-Apr-88	12		292	0.1	1989	300	1	STP
+51-04	51.29483	-3.06383	2365	OG	01-Apr-88	13		293	0.1	1989	300	1	STP
+51-04	51.3075	-3.06317	2366	OG	01-Apr-88	18		294	0.1	1989	300	1	STP
+51-04	51.32117	-3.06367	2367	OG	01-Apr-88	24		295	0.1	1989	300	1	STP
+51-04	51.33417	-3.06317	2368	OG	01-Apr-88	25		296	0.1	1989	300	1	STP
+51-04	51.48067	-3.10533	2369	OG	01-Apr-88	12		297	0.1	1989	300	1	STP
+51-04	51.48067	-3.085	2370	OG	01-Apr-88	15		298	0.1	1989	300	1	STP
+51-04	51.49383	-3.08433	2371	OG	01-Apr-88	10		299	0.1	1989	300	1	STP
+51-04	51.4945	-3.06267	2372	OG	01-Apr-88	15		300	0.1	1989	300	1	STP
+51-04	51.4955	-3.043	2373	OG	01-Apr-88	15		301	0.1	1989	300	1	STP
+51-04	51.5065	-3.04233	2374	OG	01-Apr-88	14		302	0.1	1989	300	1	STP
+51-04	51.50733	-3.02133	2375	OG	01-Apr-88	14		303	0.1	1989	300	1	STP
+51-04	51.52117	-3.02017	2376	OG	01-Apr-88	8		304	0.1	1989	300	1	STP
+51-04	51.49517	-3.021	2377	OG	01-Apr-88	15		305	0.1	1989	300	1	STP
+51-04	51.48117	-3.021	2378	OG	01-Apr-88	15		306	0.1	1989	300	1	STP
+51-04	51.48183	-3.04283	2379	OG	01-Apr-88	14		307	0.1	1989	300	1	STP
+51-04	51.48167	-3.06467	2380	OG	01-Apr-88	14		308	0.1	1989	300	1	STP
+51-04	51.4805	-3.06233	2381	OG	01-Apr-88	14	308II		0.1	1989	300	1	STP
+51-04	51.44133	-3.085	2382	OG	01-Apr-88	16		309	0.1	1989	300	1	STP
+51-04	51.428	-3.085	2383	OG	01-Apr-88	16		310	0.1	1989	300	1	STP
+51-04	51.41383	-3.0845	2384	OG	01-Apr-88	17	311A		0.1	1989	300	1	STP
+51-04	51.40083	-3.08467	2385	OG	01-Apr-88	16	312A		0.1	1989	300	1	STP
+51-04	51.38667	-3.085	2386	OG	01-Apr-88	16		313	0.1	1989	300	1	STP
+51-04	51.37383	-3.08567	2387	OG	01-Apr-88	29	314A		0.1	1989	300	1	STP
+51-04	51.36067	-3.08417	2388	OG	01-Apr-88	15		315	0.1	1989	300	1	STP
+51-04	51.34683	-3.08517	2389	OG	01-Apr-88	16		316	0.1	1989	300	1	STP
+51-04	51.33417	-3.08467	2390	OG	01-Apr-88	18		317	0.1	1989	300	1	STP
+51-04	51.32117	-3.08533	2391	OG	01-Apr-88	15		318	0.1	1989	300	1	STP
+51-04	51.30767	-3.08433	2392	OG	01-Apr-88	13		319	0.1	1989	300	1	STP
+51-04	51.29367	-3.085	2393	OG	01-Apr-88	10		320	0.1	1989	300	1	STP
+51-04	51.2815	-3.08533	2394	OG	01-Apr-88	8		321	0.1	1989	300	1	STP
+51-04	51.2805	-3.1505	2395	OG	01-Apr-88	11		322	0.1	1989	300	1	STP
+51-04	51.26717	-3.14933	2396	OG	01-Apr-88	9		323	0.1	1989	300	1	STP
+51-04	51.268	-3.17017	2397	OG	01-Apr-88	11		324	0.1	1989	300	1	STP
+51-04	51.26817	-3.1915	2398	OG	01-Apr-88	11		325	0.1	1989	300	1	STP
+51-04	51.26767	-3.2125	2399	OG	01-Apr-88	12		326	0.1	1989	300	1	STP
+51-04	51.268	-3.23383	2400	OG	01-Apr-88	14		327	0.1	1989	300	1	STP
+51-04	51.26767	-3.25567	2401	OG	01-Apr-88	15	328A		0.1	1989	300	1	STP
+51-04	51.26767	-3.2775	2402	OG	01-Apr-88	17	329A		0.1	1989	300	1	STP
+51-04	51.268	-3.29883	2403	OG	01-Apr-88	13	330A		0.1	1989	300	1	STP
+51-04	51.2675	-3.3425	2404	OG	01-Apr-88	20	331A		0.1	1989	300	1	STP
+51-04	51.2945	-3.3415	2405	OG	01-Apr-88	16	332A		0.1	1989	300	1	STP
+51-04	51.29433	-3.3195	2406	OG	01-Apr-88	17		333	0.1	1989	300	1	STP
+51-04	51.29433	-3.29767	2407	OG	01-Apr-88	15		334	0.1	1989	300	1	STP
+51-04	51.29467	-3.27633	2408	OG	01-Apr-88	14		335	0.1	1989	300	1	STP
+51-04	51.2945	-3.25517	2409	OG	01-Apr-88	9		336	0.1	1989	300	1	STP
+51-04	51.29467	-3.23483	2410	OG	01-Apr-88	15		337	0.1	1989	300	1	STP
+51-04	51.294	-3.21317	2411	OG	01-Apr-88	16	338A		0.1	1989	300	1	STP
+51-04	51.2945	-3.19117	2412	OG	01-Apr-88	16		339	0.1	1989	300	1	STP
+51-04	51.29483	-3.1705	2413	OG	01-Apr-88	16	340A		0.1	1989	300	1	STP
+51-04	51.295	-3.15	2414	OG	01-Apr-88	17	341A		0.1	1989	300	1	STP
+51-04	51.308	-3.14917	2415	OG	01-Apr-88	17		342	0.1	1989	300	1	STP
+51-04	51.49417	-3	2416	OG	01-Apr-88	9		366	0.1	1989	300	1	STP
+51-04	51.4805	-3	2417	OG	01-Apr-88	11		367	0.1	1989	300	1	STP
+51-04	51.4415	-3.021	2418	OG	01-Apr-88	24		369	0.1	1989	300	1	STP
+51-04	51.44083	-3.04267	2419	OG	01-Apr-88	9		370	0.1	1989	300	1	STP
+51-04	51.441	-3.06433	2420	OG	01-Apr-88	10		371	0.1	1989	300	1	STP
+51-04	51.42767	-3.06333	2421	OG	01-Apr-88	9	372A		0.1	1989	300	1	STP
+51-04	51.41433	-3.06333	2422	OG	01-Apr-88	11		373	0.1	1989	300	1	STP
+51-04	51.40117	-3.06367	2423	OG	01-Apr-88	21	374A		0.1	1989	300	1	STP
+51-04	51.38667	-3.064	2424	OG	01-Apr-88	18		375	0.1	1989	300	1	STP
+51-04	51.37417	-3.06333	2425	OG	01-Apr-88	12		376	0.1	1989	300	1	STP
+51-04	51.36167	-3.06283	2426	OG	01-Apr-88	14	377A		0.1	1989	300	1	STP
+51-04	51.347	-3.06367	2427	OG	01-Apr-88	13	378A		0.1	1989	300	1	STP
+51-04	51.34733	-3.0205	2428	OG	01-Apr-88	12		379	0.1	1989	300	1	STP
+51-04	51.36067	-3.02167	2429	OG	01-Apr-88	16	380A		0.1	1989	300	1	STP

+51-04	51.37333	-3.0205	2430	OG	01-Apr-88	13	381A		0.1	1989	300	1	STP
+51-04	51.374	-3.04317	2431	OG	01-Apr-88	13	382A		0.1	1989	300	1	STP
+51-04	51.38817	-3.04233	2432	OG	01-Apr-88	13	383A		0.1	1989	300	1	STP
+51-04	51.40117	-3.04117	2433	OG	01-Apr-88	23		384	0.1	1989	300	1	STP
+51-04	51.41333	-3.0415	2434	OG	01-Apr-88	18	385A		0.1	1989	300	1	STP
+51-04	51.42667	-3.04283	2435	OG	01-Apr-88	12	386A		0.1	1989	300	1	STP
+51-04	51.42733	-3.0205	2436	OG	01-Apr-88	27	400A		0.1	1989	300	1	STP
+51-04	51.41467	-3.02117	2437	OG	01-Apr-88	24		401	0.1	1989	300	1	STP
+51-04	51.401	-3.0195	2438	OG	01-Apr-88	12	402A		0.1	1989	300	1	STP
+51-04	51.3875	-3.02167	2439	OG	01-Apr-88	9	403A		0.1	1989	300	1	STP
+51-04	51.3075	-3.149	2440	OG	01-Apr-88	12		404	0.1	1989	300	1	STP
+51-04	51.30783	-3.17017	2441	OG	01-Apr-88	13		405	0.1	1989	300	1	STP
+51-04	51.30733	-3.192	2442	OG	01-Apr-88	14		406	0.1	1989	300	1	STP
+51-04	51.3075	-3.21183	2443	OG	01-Apr-88	13		407	0.1	1989	300	1	STP
+51-04	51.308	-3.23483	2444	OG	01-Apr-88	15		408	0.1	1989	300	1	STP
+51-04	51.32883	-3.037	2445	OG	01-Apr-88	20	420A		0.1	1989	300	1	STP
+51-04	51.33367	-3.02083	2446	OG	01-Apr-88	10		421	0.1	1989	300	1	STP
+51-04	51.328	-3.003	2447	OG	01-Apr-88	5		422	0.1	1989	300	1	STP
+51-04	51.3545	-3.0005	2448	OG	01-Apr-88	10		426	0.1	1989	300	1	STP
+51-04	51.361	-3.0005	2449	OG	01-Apr-88	15	427A		0.1	1989	300	1	STP
+51-04	51.40183	-3.16967	2450	OG	01-Apr-88	10		434	0.1	1989	300	1	STP
+51-04	51.38683	-3.17067	2451	OG	01-Apr-88	18		435	0.1	1989	300	1	STP
+51-04	51.37317	-3.17133	2452	OG	01-Apr-88	13	436A		0.1	1989	300	1	STP
+51-04	51.36117	-3.17133	2453	OG	01-Apr-88	27		437	0.1	1989	300	1	STP
+51-04	51.34833	-3.17083	2454	OG	01-Apr-88	18		438	0.1	1989	300	1	STP
+51-04	51.34783	-3.19233	2455	OG	01-Apr-88	18		439	0.1	1989	300	1	STP
+51-04	51.34783	-3.213	2456	OG	01-Apr-88	18		440	0.1	1989	300	1	STP
+51-04	51.348	-3.2345	2457	OG	01-Apr-88	25	441A		0.1	1989	300	1	STP
+51-04	51.34867	-3.2555	2458	OG	01-Apr-88	33	442A		0.1	1989	300	1	STP
+51-04	51.3485	-3.27633	2459	OG	01-Apr-88	40	443A		0.1	1989	300	1	STP
+51-04	51.34667	-3.32033	2460	OG	01-Apr-88	33	444A		0.1	1989	300	1	STP
+51-04	51.3215	-3.32033	2461	OG	01-Apr-88	16	445A		0.1	1989	300	1	STP
+51-04	51.321	-3.299	2462	OG	01-Apr-88	16	446A		0.1	1989	300	1	STP
+51-04	51.32117	-3.27683	2463	OG	01-Apr-88	14	447A		0.1	1989	300	1	STP
+51-04	51.32084	-3.25667	2464	OG	01-Apr-88	14	448A		0.1	1989	300	1	STP
+51-04	51.3075	-3.25617	2465	OG	01-Apr-88	18	449A		0.1	1989	300	1	STP
+51-04	51.32117	-3.23483	2466	OG	01-Apr-88	17		450	0.1	1989	300	1	STP
+51-04	51.32084	-3.21367	2467	OG	01-Apr-88	18		451	0.1	1989	300	1	STP
+51-04	51.32067	-3.21283	2468	OG	01-Apr-88	18	451II		0.1	1989	300	1	STP
+51-04	51.322	-3.19233	2469	OG	01-Apr-88	15		452	0.1	1989	300	1	STP
+51-04	51.32067	-3.17033	2470	OG	01-Apr-88	17		453	0.1	1989	300	1	STP
+51-04	51.321	-3.15017	2471	OG	01-Apr-88	15		454	0.1	1989	300	1	STP
+51-04	51.40067	-3.5765	2472	OG	01-Apr-88	18	475A		0.1	1989	300	1	STP
+51-04	51.41433	-3.5965	2507	OG	01-Apr-88			510	0.1	1989	300	1	STP
+51-04	51.40833	-3.58267	2508	OG	01-Apr-88	7		511	0.1	1989	300	1	STP
+51-04	51.37533	-3.1925	2509	OG	01-Apr-88	18	512A		0.1	1989	300	1	STP
+51-04	51.36117	-3.1915	2510	OG	01-Apr-88	32		513	0.1	1989	300	1	STP
+51-04	51.35433	-3.1815	2511	OG	01-Apr-88	24		514	0.1	1989	300	1	STP
+51-04	51.34067	-3.18133	2512	OG	01-Apr-88	22		515	0.1	1989	300	1	STP
+51-04	51.34117	-3.20367	2513	OG	01-Apr-88	20		516	0.1	1989	300	1	STP
+51-04	51.35383	-3.20317	2514	OG	01-Apr-88	25	517A		0.1	1989	300	1	STP
+51-04	51.34067	-3.22433	2515	OG	01-Apr-88	18		518	0.1	1989	300	1	STP
+51-04	51.348	-3.36417	2516	OG	01-Apr-88	33	519A		0.1	1989	300	1	STP
+51-04	51.36117	-3.57567	2517	OG	01-Apr-88	20	520A		0.1	1989	300	1	STP
+51-04	51.361	-3.38433	2522	OG	01-Apr-88	27		525	0.1	1989	300	1	STP
+51-04	51.361	-3.36233	2523	OG	01-Apr-88	20	526A		0.1	1989	300	1	STP
+51-04	51.36133	-3.34	2524	OG	01-Apr-88	18	527A		0.1	1989	300	1	STP
+51-04	51.3615	-3.32	2525	OG	01-Apr-88	20	528A		0.1	1989	300	1	STP
+51-04	51.3615	-3.29933	2526	OG	01-Apr-88	18	529A		0.1	1989	300	1	STP
+51-04	51.36133	-3.27667	2527	OG	01-Apr-88	18	530A		0.1	1989	300	1	STP
+51-04	51.36083	-3.25567	2528	OG	01-Apr-88	22	531A		0.1	1989	300	1	STP
+51-04	51.36083	-3.23383	2529	OG	01-Apr-88	27	532A		0.1	1989	300	1	STP
+51-04	51.361	-3.21383	2530	OG	01-Apr-88	31	533A		0.1	1989	300	1	STP
+51-04	51.35483	-3.1625	2531	OG	01-Apr-88	29		534	0.1	1989	300	1	STP
+51-04	51.368	-3.15983	2532	OG	01-Apr-88	20	535A		0.1	1989	300	1	STP
+51-04	51.36783	-3.13917	2533	OG	01-Apr-88	20	536A		0.1	1989	300	1	STP

+51-04	51.19517	-3.24567	2534	OG	01-Apr-88	5		541	0.1	1989	300	1	STP
+51-04	51.1945	-3.26683	2535	OG	01-Apr-88	6		542	0.1	1989	300	1	STP
+51-04	51.1955	-3.2885	2536	OG	01-Apr-88	19	543A		0.1	1989	300	1	STP
+51-04	51.19883	-3.30983	2537	OG	01-Apr-88	7		544	0.1	1989	300	1	STP
+51-04	51.19633	-3.33033	2538	OG	01-Apr-88	7	545A		0.1	1989	300	1	STP
+51-04	51.19533	-3.37367	2539	OG	01-Apr-88	6		546	0.1	1989	300	1	STP
+51-04	51.20767	-3.41567	2540	OG	01-Apr-88	7	547A		0.1	1989	300	1	STP
+51-04	51.19483	-3.39367	2541	OG	01-Apr-88	6	548A		0.1	1989	300	1	STP
+51-04	51.18967	-3.38483	2542	OG	01-Apr-88	4	549A		0.1	1989	300	1	STP
+51-04	51.191	-3.35567	2543	OG	01-Apr-88			550	0.1	1989	300	1	STP
+51-04	51.18817	-3.29783	2544	OG	01-Apr-88	4	551A		0.1	1989	300	1	STP
+51-04	51.22817	-3.10583	2545	OG	01-Apr-88	10		552	0.1	1989	300	1	STP
+51-04	51.40933	-3.13817	2546	OG	01-Apr-88	18		553	0.1	1989	300	1	STP
+51-04	51.421	-3.12717	2547	OG	01-Apr-88	10		554	0.1	1989	300	1	STP
+51-04	51.43417	-3.11533	2548	OG	01-Apr-88	11		555	0.1	1989	300	1	STP
+51-04	51.40767	-3.07333	2549	OG	01-May-88	13		568	0.1	1989	300	1	STP
+51-04	51.394	-3.0965	2550	OG	01-May-88	12	569A		0.1	1989	300	1	STP
+51-04	51.38033	-3.09633	2551	OG	01-May-88	18	570A		0.1	1989	300	1	STP
+51-04	51.33933	-3.11917	2552	OG	01-May-88	31		571	0.1	1989	300	1	STP
+51-04	51.33767	-3.10567	2553	OG	01-May-88	16		572	0.1	1989	300	1	STP
+51-04	51.339	-3.096	2554	OG	01-May-88	14	573A		0.1	1989	300	1	STP
+51-04	51.3345	-3.11817	2555	OG	01-May-88	12		574	0.1	1989	300	1	STP
+51-04	51.3275	-3.12783	2556	OG	01-May-88	12		575	0.1	1989	300	1	STP
+51-04	51.32067	-3.13867	2557	OG	01-May-88	13		576	0.1	1989	300	1	STP
+51-04	51.38367	-3.11517	2558	OG	01-May-88	10	577A		0.1	1989	300	1	STP
+51-04	51.29417	-3.202	2559	OG	01-May-88	17	614A		0.1	1989	300	1	STP
+51-04	51.28767	-3.2245	2560	OG	01-May-88	18	615A		0.1	1989	300	1	STP
+51-04	51.28817	-3.24567	2561	OG	01-May-88	17		616	0.1	1989	300	1	STP
+51-04	51.28067	-3.2665	2562	OG	01-May-88	17		617	0.1	1989	300	1	STP
+51-04	51.281	-3.28167	2563	OG	01-May-88	14		618	0.1	1989	300	1	STP
+51-04	51.2815	-3.3095	2564	OG	01-May-88	17		619	0.1	1989	300	1	STP
+51-04	51.375	-3.57	2740	GS	01-Jul-89	15	463/129-12		0.05			1	ADM
+51-04	51.19	-3.38	2748	OG	01-Jun-89	0	464/A15		0.05				ADM
+51-04	51.18833	-3.345	2749	OG	01-Jun-89	1	464/A16		0.05				ADM
+51-04	51.18667	-3.30667	2750	OG	01-Jun-89	0	464/A17		0.05				ADM
+51-04	51.185	-3.27	2751	OG	01-Jun-89		464/A18		0.05				ADM
+51-04	51.20667	-3.41333	2752	OG	01-Jun-89	4	464/B14		0.05				ADM
+51-04	51.20667	-3.37833	2753	GS	01-Jun-89	7	464/B15		0.05				ADM
+51-04	51.20667	-3.34167	2754	GS	01-Aug-89	9	464/B16		0.05				ADM
+51-04	51.20833	-3.30667	2755	GS	01-Aug-89	8	464/B17		0.05				ADM
+51-04	51.20833	-3.27167	2756	GS	01-Aug-89	5	464/B18		0.05				ADM
+51-04	51.20833	-3.235	2757	OG	01-May-89	4	464/B19		0.05				ADM
+51-04	51.22333	-3.48167	2758	GS	01-Jul-89	4	464/BC12		0.05				ADM
+51-04	51.23167	-3.34333	2763	OG	01-Jun-89	0	464/C6		0.05				ADM
+51-04	51.235	-3.55833	2767	OG	01-Jun-89	3	464/C10		0.05				ADM
+51-04	51.23167	-3.52	2768	OG	01-Jun-89	12	464/C11		0.05				ADM
+51-04	51.22833	-3.48667	2769	OG	01-Jun-89	15	464/C12		0.05				ADM
+51-04	51.22833	-3.45	2770	OG	01-Jun-89	17	464/C13		0.05				ADM
+51-04	51.22833	-3.415	2771	GS	01-Aug-89	14	464/C14		0.05				ADM
+51-04	51.23	-3.37833	2772	GS	01-Aug-89	12	464/C15		0.05				ADM
+51-04	51.23	-3.34333	2773	GS	01-Aug-89	11	464/C16		0.05				ADM
+51-04	51.23	-3.30667	2774	GS	01-Aug-89	10	464/C17		0.05				ADM
+51-04	51.23	-3.27167	2775	OG	01-Aug-89	9	464/C18		0.05				ADM
+51-04	51.23167	-3.235	2776	OG	01-Jun-89	10	464/C19		0.05				ADM
+51-04	51.23167	-3.2	2777	OG	01-May-89	8	464/C20		0.05				ADM
+51-04	51.24833	-3.59333	2786	OG	01-Jun-89	18	464/D9		0.05				ADM
+51-04	51.25	-3.55833	2787	OG	01-Jun-89	20	464/D10		0.05				ADM
+51-04	51.25	-3.52167	2788	OG	01-Jun-89	19	464/D11		0.05				ADM
+51-04	51.25	-3.48667	2789	OG	01-Jun-89	16	464/D12		0.05				ADM
+51-04	51.25	-3.45	2790	OG	01-Jun-89	15	464/D13		0.05				ADM
+51-04	51.25167	-3.415	2791	OG	01-Jun-89	18	464/D14		0.05				ADM
+51-04	51.25167	-3.37833	2792	OG	01-Jun-89	20	464/D15		0.05				ADM
+51-04	51.25167	-3.34333	2793	OG	01-Jun-89	12	464/D16		0.05				ADM
+51-04	51.25167	-3.30667	2794	OG	01-Jun-89	11	464/D17		0.05				ADM
+51-04	51.25333	-3.27167	2795	OG	01-Jun-89	10	464/D18		0.05				ADM
+51-04	51.25333	-3.23667	2796	OG	01-Jun-89	11	464/D19		0.05				ADM

+51-04	51.25333	-3.2	2797	GS	01-Aug-89	8	464/D20	0.05	ADM
+51-04	51.255	-3.165	2798	OG	01-May-89	7	464/D21	0.05	ADM
+51-04	51.27167	-3.595	2807	GS	01-Jul-89	18	464/E9	0.05	ADM
+51-04	51.27167	-3.56	2808	GS	01-Jul-89	20	464/E10	0.05	ADM
+51-04	51.27333	-3.52333	2809	GS	01-Jul-89	17	464/E11	0.05	ADM
+51-04	51.27333	-3.48833	2810	GS	01-Jul-89	24	464/E12	0.05	ADM
+51-04	51.27333	-3.45167	2811	GS	01-Jul-89	22	464/E13	0.05	ADM
+51-04	51.27333	-3.41667	2812	GS	01-Jul-89	19	464/E14	0.05	ADM
+51-04	51.275	-3.38	2813	OG	01-Apr-89	17	464/E15	0.05	ADM
+51-04	51.275	-3.34333	2814	OG	01-Apr-89	15	464/E16	0.05	ADM
+51-04	51.275	-3.30833	2815	GS	01-Aug-89	15	464/E17	0.05	ADM
+51-04	51.275	-3.27167	2816	OG	01-Jun-89	9	464/E18	0.05	ADM
+51-04	51.275	-3.23667	2817	OG	01-Jun-89	12	464/E19	0.05	ADM
+51-04	51.27667	-3.2	2818	OG	01-Jun-89	10	464/E20	0.05	ADM
+51-04	51.27667	-3.165	2819	OG	01-Jun-89	9	464/E21	0.05	ADM
+51-04	51.27667	-3.12833	2820	OG	01-Jun-89	6	464/E22	0.05	ADM
+51-04	51.295	-3.56167	2830	GS	01-Jul-89	31	464/F10	0.05	ADM
+51-04	51.295	-3.525	2831	GS	01-Jul-89	26	464/F11	0.05	ADM
+51-04	51.295	-3.48833	2832	GS	01-Jul-89	25	464/F12	0.05	ADM
+51-04	51.295	-3.45333	2833	GS	01-Jul-89	21	464/F13	0.05	ADM
+51-04	51.29667	-3.41667	2834	OG	01-Apr-89	21	464/F14	0.05	ADM
+51-04	51.29667	-3.38	2835	OG	01-Apr-89	20	464/F15	0.05	ADM
+51-04	51.29667	-3.345	2836	OG	01-Apr-89	14	464/F16	0.05	ADM
+51-04	51.29833	-3.30833	2837	OG	01-Jun-89	16	464/F17	0.05	ADM
+51-04	51.29833	-3.27333	2838	OG	01-May-89	10	464/F18	0.05	ADM
+51-04	51.29833	-3.23833	2839	OG	01-May-89	11	464/F19	0.05	ADM
+51-04	51.29833	-3.20167	2840	OG	01-May-89	10	464/F20	0.05	ADM
+51-04	51.29833	-3.165	2841	OG	01-May-89	9	464/F21	0.05	ADM
+51-04	51.3	-3.13	2842	OG	01-Jun-89	9	464/F22	0.05	ADM
+51-04	51.3	-3.095	2843	OG	01-Jun-89	7	464/F23	0.05	ADM
+51-04	51.305	-3.33333	2844	GS	01-Jul-89	14	464/FG16	0.05	ADM
+51-04	51.32	-3.31	2845	OG	01-Jun-89	14	464/G17	0.05	ADM
+51-04	51.32	-3.27333	2846	OG	01-May-89	10	464/G18	0.05	ADM
+51-04	51.32	-3.23833	2847	OG	01-May-89	11	464/G19	0.05	ADM
+51-04	51.32167	-3.20167	2848	OG	01-May-89	9	464/G20	0.05	ADM
+51-04	51.32167	-3.16667	2849	OG	01-May-89	11	464/G21	0.05	ADM
+51-04	51.32167	-3.13	2850	OG	01-Jun-89	9	464/G22	0.05	ADM
+51-04	51.32167	-3.095	2851	OG	01-Jun-89	11	464/G23	0.05	ADM
+51-04	51.32333	-3.05833	2852	OG	01-Jun-89	14	464/G24	0.05	ADM
+51-04	51.34333	-3.31	2853	OG	01-Jun-89	25	464/H17	0.05	ADM
+51-04	51.34333	-3.275	2854	OG	01-May-89	27	464/H18	0.05	ADM
+51-04	51.34333	-3.23667	2855	GS	01-Aug-89	14	464/H19	0.05	ADM
+51-04	51.34333	-3.20167	2856	OG	01-May-89	13	464/H20	0.05	ADM
+51-04	51.34333	-3.16667	2857	OG	01-May-89	20	464/H21	0.05	ADM
+51-04	51.345	-3.13	2858	GS	01-Aug-89	15	464/H22	0.05	ADM
+51-04	51.365	-3.31167	2859	OG	01-Jun-89	11	464/I17	0.05	ADM
+51-04	51.36666	-3.275	2860	OG	01-Jun-89	10	464/I18	0.05	ADM
+51-04	51.36666	-3.23833	2861	GS	01-Aug-89	21	464/I19	0.05	ADM
+51-04	51.36666	-3.35333	2862	OG	01-May-89	13	464/I20	0.05	ADM
+51-04	51.36666	-3.005	2863	OG	01-May-89	14	464/I21	0.05	ADM
+51-04	51.36666	-3.13167	2864	OG	01-May-89	11	464/I22	0.05	ADM
+51-04	51.36833	-3.095	2865	GS	01-Aug-89	27	464/I23	0.05	ADM
+51-04	51.38334	-3.31167	2866	OG	01-Jun-89	5	464/J17	0.05	ADM
+51-04	51.38167	-3.27333	2867	OG	01-Jun-89	9	464/J18	0.05	ADM
+51-04	51.38833	-3.24	2868	OG	01-May-89	12	464/J19	0.05	ADM
+51-04	51.38833	-3.20333	2869	OG	01-May-89	9	464/J20	0.05	ADM
+51-04	51.38833	-3.16667	2870	OG	01-May-89	10	464/J21	0.05	ADM
+51-04	51.39	-3.09667	2871	GS	01-Jul-89	7	464/J23	0.05	ADM
+51-04	51.39167	-3.06	2872	GS	01-Jul-89	15	464/J24	0.05	ADM
+51-04	51.41167	-3.09667	2873	GS	01-Jul-89	7	464/K23	0.05	ADM
+51-04	51.41167	-3.06	2874	GS	01-Jul-89	6	464/K24	0.05	ADM
+51-04	51.435	-3.09667	2875	GS	01-Jul-89	5	464/L23	0.05	ADM
+51-04	51.435	-3.06167	2876	GS	01-Jul-89	4	464/L24	0.05	ADM
+51-04	51.435	-3.025	2877	GS	01-Aug-89	20	464/L25	0.05	ADM
+51-04	51.45833	-3.09833	2878	OG	01-Jul-89	2	464/M23	0.05	ADM
+51-04	51.45833	-3.06167	2879	OG	01-Jul-89	4	464/M24	0.05	ADM

+51-04	51.45833	-3.035	2880	OG	01-Jul-89	3	464/M25	0.05			ADM
+51-04	51.48	-3.06167	2881	OG	01-Jul-89	1	464/N24	0.05			ADM
+51-04	51.48	-3.02667	2882	OG	01-Jul-89	2	464/N25	0.05			ADM
+51-04	51.47	-3.09833	2883	OG	01-Jul-89	8	464/MN27	0.05			ADM
+51-04	51.4002	-3.5664	2904	OG	01-Apr-96		1		1996	51	CES
+51-04	51.4044	-3.5744	2905	OG	01-Apr-96		2		1996	51	CES
+51-04	51.4082	-3.5746	2906	OG	01-Apr-96		3		1996	51	CES
+51-04	51.4083	-3.5832	2907	OG	01-Apr-96		4		1996	51	CES
+51-04	51.4169	-3.5835	2908	OG	01-Apr-96		6		1996	51	CES
+51-04	51.421	-3.5908	2911	OG	01-Apr-96		9		1996	51	CES
+51-04	51.4249	-3.591	2914	OG	01-Apr-96		12		1996	51	CES
+51-04	51.4294	-3.5933	2919	OG	01-Apr-96		18		1996	51	CES
+51-04	51.4	-3.5835	2997	OG	01-Apr-96		12		1996	51	CES

BGS Sample Sites

DGSQ	NUM	LAT	LON	DEPTH	WHEN	SHIP	CRUISE	OLDNUM	TD	EQ
+51-03	7	51.38698	-2.98739	17	04-Jun-76		11		0.5	GS
+51-03	9	51.40246	-2.98301	15	04-Jun-76		11		0.2	GS
+51-03	10	51.40577	-2.96675	15	04-Jun-76		11		0.2	GS
+51-03	11	51.42022	-2.96555	15	04-Jun-76		11		0.1	GS
+51-03	12	51.41931	-2.9848	16	04-Jun-76		11		0.1	GS
+51-03	13	51.43167	-2.99983	17	04-Jun-76		11		0.2	GS
+51-03	14	51.4513	-2.99335	20	04-Jun-76		11		0.1	GS
+51-03	15	51.46203	-2.95545	19	04-Jun-76		11		0.1	GS
+51-03	16	51.46324	-2.93575	17	04-Jun-76		11		0.1	GS
+51-03	17	51.45862	-2.91972	22	04-Jun-76		11		0.1	GS
+51-03	18	51.462	-2.90299	22	04-Jun-76		11		0.1	GS
+51-03	19	51.46276	-2.88028	21	04-Jun-76		11		0.1	GS
+51-03	21	51.48178	-2.83568	23	04-Jun-76		11		0.1	GS
+51-03	22	51.48799	-2.81816	21	03-Jun-76		11		0.1	GS
+51-03	23	51.5007	-2.79123	14	04-Jun-76		11		0.1	GS
+51-03	24	51.49715	-2.77984	22	04-Jun-76		11		0.1	GS
+51-03	25	51.50518	-2.78732	12	04-Jun-76		11		0.1	GS
+51-03	26	51.49922	-2.81225	13	04-Jun-76		11		0.1	GS
+51-03	27	51.49285	-2.83029	16	04-Jun-76		11		0.1	GS
+51-03	28	51.47601	-2.85227	14	04-Jun-76		11		0.1	GS
+51-03	29	51.4714	-2.86839	15	04-Jun-76		11		0.1	GS
+51-03	30	51.47224	-2.89603	10	04-Jun-76		11		0.2	GS
+51-03	31	51.46472	-2.91336	11	04-Jun-76		11		0.1	GS
+51-03	32	51.46711	-2.94415	9	04-Jun-76		11		0.1	GS
+51-03	33	51.4865	-2.97275	14	04-Jun-76		11		0.1	GS
+51-03	34	51.46476	-2.97044	12	04-Jun-76		11		0.1	GS
+51-03	35	51.44393	-2.97768	10	07-Jun-76		11		0.2	GS
+51-03	36	51.45203	-2.95749	14	07-Jun-76		11		0.1	GS
+51-03	37	51.47559	-2.99227	13	07-Jun-76		11		0.1	GS
+51-03	38	51.49546	-2.96628	14	07-Jun-76		11		0.1	GS
+51-03	39	51.51291	-2.9432	13	07-Jun-76		11		0.1	GS
+51-03	40	51.50817	-2.99109	12	09-Jun-76		11		0.1	GS
+51-03	41	51.50791	-2.92705	13	09-Jun-76		11		0.1	GS
+51-03	42	51.51887	-2.93108	19	09-Jun-76		11		0.1	GS
+51-03	100	51.48083	-2.98183	15	29-Jun-79	TU	0		0.2	GS
+51-03	101	51.465	-2.91083	18	29-Jun-79	TU	0		0.1	GS
+51-03	103	51.4895	-2.81233	26	06-Jul-79	TU	0		0.2	GS
+51-03	104	51.4995	-2.7775	16	06-Jul-79	TU	0		0.2	GS
+51-03	107	51.45567	-2.92283	23	07-Jul-79	TU	0		0.3	GS
+51-03	108	51.46	-2.93267	23	07-Jul-79	TU	0		0.1	GS
+51-03	109	51.41333	-2.94733	14	23-Jun-79	TU	0		0.1	GS
+51-03	110	51.401	-2.92867	14	23-Jun-79	TU	0		0.1	GS
+51-03	111	51.41533	-2.9135	9	23-Jun-79	TU	0		0.1	GS
+51-03	112	51.42567	-2.93133	15	23-Jun-79	TU	0		2	GS
+51-03	113	51.43833	-2.95733	12	23-Jun-79	TU	0		0.1	GS
+51-03	114	51.44367	-2.93267	12	23-Jun-79	TU	0		0.2	GS
+51-03	115	51.4385	-2.91217	10	23-Jun-79	TU	0		0.2	GS
+51-03	116	51.4285	-2.892	8	23-Jun-79	TU	0		0.1	GS
+51-03	117	51.44083	-2.87367	10	23-Jun-79	TU	0		0.2	GS
+51-03	118	51.45383	-2.89317	12	23-Jun-79	TU	0		0.2	GS
+51-03	119	51.46383	-2.91017	15	23-Jun-79	TU	0		0.2	GS
+51-03	120	51.473	-2.93	17	23-Jun-79	TU	0		1.8	GS
+51-03	121	51.4685	-2.95583	13	23-Jun-79	TU	0		1.8	GS
+51-03	122	51.45367	-2.95367	17	23-Jun-79	TU	0		0.2	GS
+51-03	123	51.45083	-2.9825	20	23-Jun-79	TU	0		0.2	GS

+51-03	124	51.444	-2.99833	19	23-Jun-79	TU	0	0.2	GS
+51-03	125	51.42517	-2.97033	3	23-Jun-79	TU	0	0.2	GS
+51-03	127	51.4565	-2.85617	16	25-Jun-79	TU	0	0.2	GS
+51-03	128	51.46983	-2.83567	17	25-Jun-79	TU	0	0.2	GS
+51-03	129	51.47967	-2.816	19	25-Jun-79	TU	0	0.2	GS
+51-03	130	51.49633	-2.80133	25	25-Jun-79	TU	0	0.1	GS
+51-03	131	51.498	-2.7715	27	25-Jun-79	TU	0	0.2	GS
+51-03	132	51.503	-2.73333	21	25-Jun-79	TU	0	0.3	GS
+51-03	133	51.51783	-2.71367	19	25-Jun-79	TU	0	0.2	GS
+51-03	134	51.53567	-2.71183	24	25-Jun-79	TU	0	0.2	GS
+51-03	135	51.56433	-2.7135	15	25-Jun-79	TU	0	0.2	GS
+51-03	136	51.548	-2.7205	17	25-Jun-79	TU	0	0.2	GS
+51-03	137	51.534	-2.72567	16	25-Jun-79	TU	0	0.2	GS
+51-03	138	51.52383	-2.728	15	25-Jun-79	TU	0	0.1	GS
+51-03	139	51.50183	-2.7405	17	25-Jun-79	TU	0	0.2	GS
+51-03	140	51.51867	-2.75417	12	25-Jun-79	TU	0	0.1	GS
+51-03	141	51.50717	-2.75983	14	25-Jun-79	TU	0	0.2	GS
+51-03	142	51.50967	-2.78817	15	25-Jun-79	TU	0	0.1	GS
+51-03	143	51.48567	-2.81133	13	25-Jun-79	TU	0	0.1	GS
+51-03	144	51.488	-2.82667	25	25-Jun-79	TU	0	0.1	GS
+51-03	145	51.47033	-2.99083	13	25-Jun-79	TU	0	0.2	GS
+51-03	146	51.48167	-2.99017	12	25-Jun-79	TU	0	0.2	GS
+51-03	147	51.50633	-2.98133	13	26-Jun-79	TU	0	0.2	GS
+51-03	148	51.52267	-2.96783	14	26-Jun-79	TU	0	0.2	GS
+51-03	149	51.52433	-2.94267	12	26-Jun-79	TU	0	0.2	GS
+51-03	150	51.52667	-2.91667	13	26-Jun-79	TU	0	0.2	GS
+51-03	151	51.51883	-2.8855	12	26-Jun-79	TU	0	0.2	GS
+51-03	153	51.50183	-2.88817	0	26-Jun-79	TU	0	0.2	GS
+51-03	154	51.49517	-2.875	9	26-Jun-79	TU	0	0.1	GS
+51-03	155	51.49333	-2.85183	6	26-Jun-79	TU	0	0.1	GS
+51-03	156	51.4845	-2.85167	11	26-Jun-79	TU	0	0.1	GS
+51-03	157	51.47683	-2.85417	26	26-Jun-79	TU	0	0.1	GS
+51-03	158	51.46567	-2.876	32	26-Jun-79	TU	0	0.1	GS
+51-03	162	51.49067	-2.973	13	26-Jun-79	TU	0	0.2	GS
+51-03	163	51.498	-2.95267	14	26-Jun-79	TU	0	0.1	GS
+51-03	164	51.50583	-2.95567	12	26-Jun-79	TU	0	0.2	GS
+51-03	165	51.47517	-2.9795	11	26-Jun-79	TU	0	0.1	GS
+51-03	166	51.40167	-2.9665	18	08-Jul-79	TU	0	0.2	GS
+51-04	7	51.24477	-3.21407	24	27-Sep-72		2	0.3	GS
+51-04	8	51.25485	-3.20439	17	27-Sep-72		2	0.2	GS
+51-04	10	51.27902	-3.16514	13	27-Sep-72		2	0.1	GS
+51-04	22	51.32458	-3.12856	18	28-Sep-72		2	0.2	GS
+51-04	35	51.22933	-3.26137	11	28-Sep-72		2	0.2	GS
+51-04	36	51.34382	-3.14595	18	29-Sep-72		2	0.1	GS
+51-04	37	51.34258	-3.14974	20	29-Sep-72		2	0.1	GS
+51-04	38	51.33676	-3.1593	20	29-Sep-72		2	0.2	GS
+51-04	40	51.30987	-3.19355	13	29-Sep-72		2	0.2	GS
+51-04	41	51.28667	-3.20333	0	29-Sep-72		2	0.2	GS
+51-04	42	51.28901	-3.20502	13	29-Sep-72		2	0.1	GS
+51-04	47	51.29007	-3.32659	27	30-Sep-72		2	0.1	GS
+51-04	48	51.28091	-3.32984	22	30-Sep-72		2	0.2	GS
+51-04	49	51.27589	-3.32762	26	30-Sep-72		2	0.1	GS
+51-04	50	51.26961	-3.32724	24	30-Sep-72		2	0.1	GS
+51-04	52	51.25434	-3.35076	20	30-Sep-72		2	0.1	GS
+51-04	59	51.35569	-3.09322	17	28-Sep-72		2	0.2	GS
+51-04	163	51.3241	-3.36694	0	01-Jan-73		0	0.1	GS
+51-04	164	51.33395	-3.42042	25	24-Jun-73		16	0.2	GS

+51-04	246	51.36167	-3.04783	29	16-Nov-73	18	0.2	GS
+51-04	255	51.23417	-3.2225	12	16-Nov-73	18	0.2	GS
+51-04	257	51.28083	-3.215	13	16-Nov-73	18	0.1	GS
+51-04	258	51.27583	-3.22667	10	16-Nov-73	18	0.1	GS
+51-04	259	51.26833	-3.25917	19	16-Nov-73	18	0.2	GS
+51-04	260	51.26333	-3.28167	19	16-Nov-73	18	0.1	GS
+51-04	261	51.30833	-3.23	20	18-Nov-73	18	0.2	GS
+51-04	262	51.30583	-3.25	20	18-Nov-73	18	0.2	GS
+51-04	264	51.305	-3.26667	25	18-Nov-73	18	0.2	GS
+51-04	265	51.30417	-3.27417	26	18-Nov-73	18	0.2	GS
+51-04	267	51.30384	-3.32745	22	18-Nov-73	18	0.2	GS
+51-04	268	51.30373	-3.313	0	18-Nov-73	18	0.1	GS
+51-04	269	51.3041	-3.30764	28	15-Nov-73	18	0.2	GS
+51-04	270	51.30418	-3.29617	24	18-Nov-73	18	0.1	GS
+51-04	277	51.25955	-3.54117	35	22-Nov-73	18	0.2	GS
+51-04	278	51.28941	-3.51876	40	22-Nov-73	18	0.2	GS
+51-04	279	51.29239	-3.51216	42	22-Nov-73	18	0.3	GS
+51-04	280	51.30033	-3.51385	36	22-Nov-73	18	0.2	GS
+51-04	281	51.31016	-3.51093	37	22-Nov-73	18	0.2	GS
+51-04	282	51.31197	-3.50437	35	22-Nov-73	18	0.2	GS
+51-04	283	51.32795	-3.48791	22	22-Nov-73	18	0.1	GS
+51-04	284	51.35653	-3.38965	24	22-Nov-73	18	0.1	GS
+51-04	285	51.33546	-3.3864	27	22-Nov-73	18	0.2	GS
+51-04	286	51.31817	-3.38961	0	22-Nov-73	18	0.1	GS
+51-04	287	51.30412	-3.39211	33	22-Nov-73	18	0.1	GS
+51-04	288	51.2907	-3.38119	30	22-Nov-73	18	0.1	GS
+51-04	289	51.30675	-3.38246	0	22-Nov-73	18	0.2	GS
+51-04	291	51.2475	-3.365	0	22-Nov-73	18	0.2	GS
+51-04	292	51.26083	-3.37167	24	22-Nov-73	18	0.2	GS
+51-04	293	51.36509	-3.05433	27	16-Nov-73	18	0.2	GS
+51-04	295	51.33917	-3.05167	29	16-Nov-73	18	0.1	GS
+51-04	296	51.325	-3.06917	26	16-Nov-73	18	0.1	GS
+51-04	297	51.31917	-3.09583	25	16-Nov-73	18	0.2	GS
+51-04	298	51.3	-3.125	17	16-Nov-73	18	0.1	GS
+51-04	299	51.265	-3.15	13	16-Nov-73	18	0.1	GS
+51-04	300	51.255	-3.15	14	16-Nov-73	18	0.2	GS
+51-04	301	51.24667	-3.1875	15	16-Nov-73	18	0.1	GS
+51-04	302	51.22917	-3.21833	15	16-Nov-73	18	0.1	GS
+51-04	303	51.28333	-3.20333	0	11-Nov-73	18	0.2	GS
+51-04	304	51.3075	-3.25917	20	18-Nov-73	18	0.2	GS
+51-04	305	51.30513	-3.28573	24	18-Nov-73	18	0.2	GS
+51-04	306	51.31942	-3.29279	28	18-Nov-73	18	0.2	GS
+51-04	307	51.31468	-3.27233	22	18-Nov-73	18	0.2	GS
+51-04	311	51.28833	-3.30667	2200	13-Nov-74	16	2.2	GS
+51-04	312	51.30131	-3.29529	21	13-May-74	16	0.2	GS
+51-04	313	51.31025	-3.31818	30	13-May-74	16	0.2	GS
+51-04	315	51.30937	-3.28741	23	13-May-74	16	0.1	GS
+51-04	316	51.31397	-3.28185	23	13-May-74	16	0.1	GS
+51-04	317	51.30963	-3.27295	22	13-May-74	16	0.1	GS
+51-04	318	51.31	-3.26083	22	13-May-74	16	0.1	GS
+51-04	319	51.30949	-3.2646	25	13-May-74	16	0.1	GS
+51-04	320	51.33339	-3.2698	21	13-May-74	16	0.1	GS
+51-04	321	51.31665	-3.25206	16	13-May-74	16	0.1	GS
+51-04	322	51.3075	-3.21583	16	13-May-74	16	0.1	GS
+51-04	323	51.32943	-3.21943	19	13-May-74	16	0.1	GS
+51-04	324	51.34737	-3.23526	24	13-May-74	16	0.2	GS
+51-04	325	51.3375	-3.16717	23	13-May-74	16	0.1	GS

+51-04	326	51.36941	-3.15781	20	14-May-74	16	0.2	GS
+51-04	327	51.34	-3.14417	19	14-May-74	16	0.2	GS
+51-04	328	51.345	-3.13083	22	14-May-74	16	0.1	GS
+51-04	330	51.32917	-3.09833	17	13-May-74	16	0.2	GS
+51-04	332	51.35333	-3.0875	14	14-May-74	16	0.2	GS
+51-04	334	51.3325	-3.05167	15	13-May-74	16	0.3	GS
+51-04	335	51.36083	-3.045	13	13-May-74	16	0.1	GS
+51-04	337	51.3025	-3.26167	19	13-May-74	16	1.6	GS
+51-04	339	51.4	-3.025	14	14-May-74	16	0.2	GS
+51-04	340	51.38917	-3.05833	17	14-May-74	16	0.2	GS
+51-04	342	51.41468	-3.12121	16	14-May-74	16	0.2	GS
+51-04	344	51.3975	-3.0475	16	14-May-74	16	0.1	GS
+51-04	346	51.38866	-3.16152	22	14-May-74	16	0.2	GS
+51-04	347	51.36688	-3.2298	32	14-May-74	16	0.2	GS
+51-04	348	51.42	-3.045	23	14-May-74	16	0.2	GS
+51-04	349	51.37475	-3.3101	16	14-May-74	16	0.1	GS
+51-04	351	51.27083	-3.25333	16	14-May-74	16	0.1	GS
+51-04	352	51.36033	-3.2061	14	14-May-74	16	1.5	GS
+51-04	354	51.35148	-3.29892	0	15-May-74	16	0.5	GS
+51-04	355	51.35165	-3.24628	39	15-May-74	16	0.2	GS
+51-04	405	51.3848	-3.23838	15	03-Jun-76	11	0.1	GS
+51-04	407	51.39797	-3.19154	17	03-Jun-76	11	0.5	GS
+51-04	408	51.40064	-3.15434	14	03-Jun-76	11	0.2	GS
+51-04	409	51.41388	-3.14763	18	03-Jun-76	11	0.1	GS
+51-04	411	51.42854	-3.13804	16	03-Jun-76	11	3.5	GS
+51-04	412	51.42303	-3.09441	18	03-Jun-76	11	2.3	GS
+51-04	413	51.40977	-3.0986	19	03-Jun-76	11	4.2	GS
+51-04	414	51.42884	-3.10739	12	03-Jun-76	11	0.1	GS
+51-04	415	51.38919	-3.1118	12	03-Jun-76	11	0.2	GS
+51-04	416	51.39106	-3.07442	19	03-Jun-76	11	0.3	GS
+51-04	417	51.41011	-3.05625	10	03-Jun-76	11	0.1	GS
+51-04	418	51.4037	-3.02636	18	03-Jun-76	11	0.1	GS
+51-04	419	51.3624	-3.1156	30	03-Jun-76	11	0.2	GS
+51-04	420	51.35162	-3.15382	29	03-Jun-76	11	0.1	GS
+51-04	421	51.34128	-3.18911	20	03-Jun-76	11	0.1	GS
+51-04	423	51.33615	-3.23366	22	03-Jun-76	11	0.2	GS
+51-04	424	51.3325	-3.2717	21	04-Jun-76	11	0.1	GS
+51-04	425	51.32661	-3.33089	21	03-Jun-76	11	0.2	GS
+51-04	427	51.35486	-3.50875	32	03-Jun-76	11	0.2	GS
+51-04	430	51.38252	-3.52476	26	03-Jun-76	11	5.1	GS
+51-04	431	51.39006	-3.56477	19	04-Jun-76	11	5.4	GS
+51-04	433	51.3524	-3.56487	26	04-Jun-76	11	0.1	GS
+51-04	452	51.37871	-3.05034	20	04-Jun-76	11	0.2	GS
+51-04	454	51.37667	-3.00333	19	04-Jun-76	11	0.2	GS
+51-04	455	51.3901	-3.02214	17	04-Jun-76	11	0.1	GS
+51-04	456	51.40555	-3.00628	16	04-Jun-76	11	0.1	GS
+51-04	457	51.44454	-3.0193	26	04-Jun-76	11	0.4	GS
+51-04	458	51.36926	-3.08023	15	04-Jun-76	11	0.1	GS
+51-04	459	51.37368	-3.15213	16	04-Jun-76	11	0.2	GS
+51-04	460	51.3622	-3.19153	37	04-Jun-76	11	1.4	GS
+51-04	461	51.35951	-3.23343	31	04-Jun-76	11	0.1	GS
+51-04	462	51.36005	-3.27197	20	04-Jun-76	11	0.1	GS
+51-04	465	51.32403	-3.33268	23	04-Jun-76	11	0.1	GS
+51-04	466	51.33125	-3.41946	30	04-Jun-76	11	0.1	GS
+51-04	467	51.31298	-3.40589	25	05-Jun-76	11	0.1	GS
+51-04	468	51.30803	-3.40491	23	05-Jun-76	11	0.1	GS
+51-04	469	51.30344	-3.36853	23	05-Jun-76	11	0.1	GS

+51-04	470	51.28286	-3.36902	22	05-Jun-76	11	0.2	GS
+51-04	471	51.26009	-3.36566	20	05-Jun-76	11	0.1	GS
+51-04	472	51.24128	-3.36426	15	05-Jun-76	11	0.1	GS
+51-04	473	51.21701	-3.36802	10	05-Jun-76	11	0.1	GS
+51-04	474	51.21741	-3.33466	9	05-Jun-76	11	0.1	GS
+51-04	475	51.23612	-3.30614	13	05-Jun-76	11	0.1	GS
+51-04	476	51.24516	-3.30598	13	05-Jun-76	11	0.1	GS
+51-04	477	51.2186	-3.29547	13	05-Jun-76	11	0.1	GS
+51-04	478	51.23331	-3.28308	13	05-Jun-76	11	0.1	GS
+51-04	479	51.24596	-3.26794	13	05-Jun-76	11	0.1	GS
+51-04	480	51.23276	-3.19252	14	05-Jun-76	11	0.1	GS
+51-04	481	51.24389	-3.17786	14	05-Jun-76	11	0.2	GS
+51-04	482	51.25574	-3.16444	14	05-Jun-76	11	0.2	GS
+51-04	483	51.27275	-3.27217	0	05-Jun-76	11	0.1	GS
+51-04	484	51.27211	-3.30496	0	05-Jun-76	11	0.1	GS
+51-04	485	51.27308	-3.3265	0	05-Jun-76	11	0.1	GS
+51-04	486	51.27521	-3.38421	0	05-Jun-76	11	0.1	GS
+51-04	487	51.27553	-3.42349	0	05-Jun-76	11	0.1	GS
+51-04	488	51.26888	-3.46286	0	05-Jun-76	11	0.1	GS
+51-04	489	51.30626	-3.33167	0	05-Jun-76	11	0.1	GS
+51-04	490	51.29105	-3.30149	0	05-Jun-76	11	0.1	GS
+51-04	491	51.317	-3.28597	0	05-Jun-76	11	0.1	GS
+51-04	492	51.30514	-3.18722	17	05-Jun-76	11	0.1	GS
+51-04	493	51.3091	-3.16195	14	05-Jun-76	11	0.1	GS
+51-04	494	51.28717	-3.11796	9	05-Jun-76	11	0.2	GS
+51-04	495	51.28457	-3.12866	9	05-Jun-76	11	0.1	GS
+51-04	496	51.27709	-3.14001	8	05-Jun-76	11	0.1	GS
+51-04	497	51.26412	-3.15197	8	05-Jun-76	11	0.2	GS
+51-04	498	51.29933	-3.10004	11	05-Jun-76	11	0.1	GS
+51-04	499	51.31281	-3.08686	13	05-Jun-76	11	0.1	GS
+51-04	500	51.27244	-3.10025	8	05-Jun-76	11	0.1	GS
+51-04	501	51.28772	-3.08793	7	05-Jun-76	11	0.2	GS
+51-04	502	51.29862	-3.07288	7	05-Jun-76	11	0.1	GS
+51-04	503	51.30797	-3.0607	12	05-Jun-76	11	0.2	GS
+51-04	504	51.31871	-3.04774	12	05-Jun-76	11	1	GS
+51-04	505	51.31484	-3.12046	17	05-Jun-76	11	1	GS
+51-04	506	51.32454	-3.21475	17	05-Jun-76	11	0.1	GS
+51-04	507	51.29663	-3.24375	17	05-Jun-76	11	0.2	GS
+51-04	508	51.27826	-3.32511	19	05-Jun-76	11	0.2	GS
+51-04	509	51.28303	-3.39538	29	05-Jun-76	11	0.2	GS
+51-04	510	51.26158	-3.37863	27	06-Jun-76	11	0.1	GS
+51-04	511	51.2735	-3.42422	27	06-Jun-76	11	0.2	GS
+51-04	512	51.29368	-3.419	31	06-Jun-76	11	0.1	GS
+51-04	513	51.31789	-3.45397	29	06-Jun-76	11	0.1	GS
+51-04	514	51.29808	-3.45594	30	06-Jun-76	11	0.1	GS
+51-04	515	51.27593	-3.45749	30	06-Jun-76	11	0.2	GS
+51-04	516	51.29005	-3.485	29	06-Jun-76	11	0.1	GS
+51-04	518	51.33121	-3.48699	24	06-Jun-76	11	0.1	GS
+51-04	519	51.33124	-3.52434	28	06-Jun-76	11	0.1	GS
+51-04	520	51.30942	-3.52541	26	06-Jun-76	11	0.1	GS
+51-04	521	51.28722	-3.52485	28	06-Jun-76	11	0.1	GS
+51-04	522	51.30837	-3.5602	34	06-Jun-76	11	0.1	GS
+51-04	524	51.24613	-3.55758	19	06-Jun-76	11	0.1	GS
+51-04	525	51.24707	-3.52772	22	06-Jun-76	11	0.1	GS
+51-04	526	51.24245	-3.4783	22	06-Jun-76	11	0.1	GS
+51-04	527	51.23253	-3.45502	20	06-Jun-76	11	0.1	GS
+51-04	528	51.21281	-3.41543	29	06-Jun-76	11	0.1	GS

+51-04	529	51.20112	-3.39872	6	06-Jun-76		11	0.1	GS
+51-04	530	51.19519	-3.36804	7	06-Jun-76		11	0.1	GS
+51-04	531	51.19751	-3.33402	10	06-Jun-76		11	0.1	GS
+51-04	532	51.19588	-3.2958	9	06-Jun-76		11	0.1	GS
+51-04	533	51.2091	-3.25904	11	06-Jun-76		11	0.1	GS
+51-04	534	51.21416	-3.2172	12	06-Jun-76		11	0.1	GS
+51-04	535	51.2251	-3.20697	15	06-Jun-76		11	0.1	GS
+51-04	536	51.21581	-3.17807	11	06-Jun-76		11	0.1	GS
+51-04	537	51.22647	-3.16525	12	06-Jun-76		11	0.1	GS
+51-04	538	51.23484	-3.15281	13	06-Jun-76		11	0.1	GS
+51-04	539	51.24369	-3.1406	13	06-Jun-76		11	0.1	GS
+51-04	540	51.25282	-3.13072	15	06-Jun-76		11	0.1	GS
+51-04	541	51.26514	-3.10825	15	06-Jun-76		11	0.1	GS
+51-04	542	51.24118	-3.40093	20	06-Jun-76		11	0.1	GS
+51-04	543	51.22016	-3.39848	17	06-Jun-76		11	0.1	GS
+51-04	544	51.2303	-3.43041	19	06-Jun-76		11	0.1	GS
+51-04	545	51.25179	-3.4295	25	06-Jun-76		11	0.1	GS
+51-04	546	51.25674	-3.45464	25	06-Jun-76		11	0.1	GS
+51-04	547	51.26563	-3.4797	24	06-Jun-76		11	0.2	GS
+51-04	548	51.26638	-3.52078	20	06-Jun-76		11	0.1	GS
+51-04	549	51.26733	-3.54958	19	06-Jun-76		11	0.1	GS
+51-04	575	51.45486	-3.03384	16	07-Jun-76		11	0.2	GS
+51-04	576	51.45257	-3.07377	14	07-Jun-76		11	0.1	GS
+51-04	577	51.4727	-3.05286	12	07-Jun-76		11	0.1	GS
+51-04	578	51.47056	-3.09436	12	07-Jun-76		11	0.2	GS
+51-04	579	51.45055	-3.11199	14	07-Jun-76		11	0.1	GS
+51-04	612	51.2667	-3.33682	17	08-Jun-76		11	0.1	GS
+51-04	613	51.29573	-3.30659	17	08-Jun-76		11	0.1	GS
+51-04	614	51.40172	-3.58272	14	08-Jun-76		11	0.2	GS
+51-04	676	51.43833	-3.05555	13	09-Jun-76		11	0.2	GS
+51-04	677	51.43474	-3.0901	15	09-Jun-76		11	0.2	GS
+51-04	678	51.48216	-3.01144	12	09-Jun-76		11	0.1	GS
+51-04	679	51.49214	-3.03031	12	09-Jun-76		11	0.1	GS
+51-04	680	51.41068	-3.04142	32	09-Jun-76		11	0.2	GS
+51-04	869	51.30067	-3.51983	24	16-Jun-79	ST	0	0.1	GS
+51-04	870	51.32267	-3.28067	12	16-Jun-79	ST	0	0.1	GS
+51-04	871	51.32383	-3.31417	12	16-Jun-79	ST	0	0.1	GS
+51-04	872	51.35867	-3.323	14	16-Jun-79	ST	0	0.1	GS
+51-04	873	51.356	-3.44317	24	16-Jun-79	ST	0	0.1	GS
+51-04	874	51.35267	-3.49633	25	16-Jun-79	ST	0	0.1	GS
+51-04	875	51.33317	-3.5775	21	17-Jun-79	ST	0	0.1	GS
+51-04	876	51.3255	-3.5215	21	17-Jun-79	ST	0	0.1	GS
+51-04	877	51.31083	-3.4615	20	17-Jun-79	ST	0	0.2	GS
+51-04	878	51.30267	-3.43233	24	17-Jun-79	ST	0	0.1	GS
+51-04	879	51.267	-3.39933	23	17-Jun-79	ST	0	0.2	GS
+51-04	880	51.25867	-3.43283	22	17-Jun-79	ST	0	0.2	GS
+51-04	882	51.341	-3.3025	27	17-Jun-79	ST	0	2.6	GS
+51-04	884	51.3215	-3.3765	195	17-Jun-79	ST	0	0.2	GS
+51-04	885	51.34667	-3.20817	232	28-Jun-79	TU	0	0.1	GS
+51-04	886	51.35583	-3.189	27	28-Jun-79	TU	0	0.1	GS
+51-04	887	51.36967	-3.12383	12	28-Jun-79	TU	0	0.2	GS
+51-04	889	51.36717	-3.09667	30	28-Jun-79	TU	0	0.2	GS
+51-04	890	51.34483	-3.10517	13	28-Jun-79	TU	0	0.1	GS
+51-04	891	51.34267	-3.1435	19	28-Jun-79	TU	0	0.2	GS
+51-04	892	51.35083	-3.12267	0	28-Jun-79	TU	0	0.1	GS
+51-04	894	51.34767	-3.068	21	28-Jun-79	TU	0	0.2	GS
+51-04	895	51.35983	-3.07417	0	28-Jun-79	TU	0	0.2	GS

+51-04	896	51.3875	-3.097	19	28-Jun-79	TU	0	0.2	GS
+51-04	897	51.395	-3.10183	16	29-Jun-79	TU	0	0.2	GS
+51-04	898	51.39783	-3.1215	10	29-Jun-79	TU	0	0.2	GS
+51-04	899	51.40467	-3.1245	20	29-Jun-79	TU	0	0.1	GS
+51-04	900	51.41567	-3.139	10	29-Jun-79	TU	0	0.1	GS
+51-04	901	51.43083	-3.133	14	29-Jun-79	TU	0	0.1	GS
+51-04	902	51.447	-3.1155	0	29-Jun-79	TU	0	0.2	GS
+51-04	903	51.46983	-3.0105	12	29-Jun-79	TU	0	0.2	GS
+51-04	904	51.472	-3.00067	16	29-Jun-79	TU	0	0.1	GS
+51-04	905	51.29083	-3.24167	12	30-Jun-79	TU	0	0.2	GS
+51-04	907	51.3065	-3.29567	24	30-Jun-79	TU	0	0.1	GS
+51-04	908	51.30567	-3.32583	26	30-Jun-79	TU	0	0.2	GS
+51-04	909	51.30367	-3.351	27	30-Sep-79	TU	0	0.1	GS
+51-04	910	51.30733	-3.34867	27	30-Jun-79	TU	0	0.1	GS
+51-04	911	51.303	-3.37633	28	30-Jun-79	TU	0	0.1	GS
+51-04	912	51.29283	-3.37517	25	30-Jun-79	TU	0	0.1	GS
+51-04	914	51.2865	-3.42167	28	30-Jun-79	TU	0	0.1	GS
+51-04	915	51.29483	-3.48783	29	30-Jun-79	TU	0	0.1	GS
+51-04	916	51.28883	-3.55133	31	30-Jun-79	TU	0	0.1	GS
+51-04	917	51.29583	-3.58067	28	30-Jun-79	TU	0	0.1	GS
+51-04	918	51.28267	-3.57717	24	30-Jun-79	TU	0	0.1	GS
+51-04	920	51.221	-3.45867	11	30-Jun-79	TU	0	0.1	GS
+51-04	921	51.21467	-3.4245	11	30-Jun-79	TU	0	0.2	GS
+51-04	922	51.21317	-3.33117	18	30-Jun-79	TU	0	0.2	GS
+51-04	923	51.22183	-3.29367	20	30-Jun-79	TU	0	0.2	GS
+51-04	924	51.27667	-3.3365	16	01-Jul-79	TU	0	0.2	GS
+51-04	925	51.29917	-3.17783	15	01-Jul-79	TU	0	0.2	GS
+51-04	926	51.31367	-3.1745	16	01-Jul-79	TU	0	0.2	GS
+51-04	927	51.30617	-3.2065	16	01-Jul-79	TU	0	0.2	GS
+51-04	928	51.297	-3.19483	17	01-Jul-79	TU	0	0.1	GS
+51-04	929	51.28017	-3.17283	17	01-Jul-79	TU	0	0.2	GS
+51-04	930	51.26983	-3.1635	17	01-Jul-79	TU	0	0.2	GS
+51-04	931	51.281	-3.14567	17	01-Jul-79	TU	0	0.2	GS
+51-04	932	51.30683	-3.15933	19	01-Jul-79	TU	0	0.1	GS
+51-04	933	51.2975	-3.14733	20	01-Jul-79	TU	0	0.1	GS
+51-04	934	51.28583	-3.11267	16	01-Jul-79	TU	0	0.2	GS
+51-04	935	51.271	-3.086	15	01-Jul-79	TU	0	0.1	GS
+51-04	936	51.319	-3.05717	25	01-Jul-79	TU	0	0.2	GS
+51-04	939	51.34433	-3.05533	19	01-Jul-79	TU	0	0.1	GS
+51-04	940	51.3525	-3.04583	17	01-Jul-79	TU	0	0.2	GS
+51-04	942	51.366	-3.05567	15	01-Jul-79	TU	0	0.2	GS
+51-04	944	51.37883	-3.0675	13	01-Jul-79	TU	0	0.1	GS
+51-04	947	51.40917	-3.02483	22	01-Jul-79	TU	0	0.2	GS
+51-04	948	51.40567	-3.02133	21	01-Jul-79	TU	0	0.1	GS
+51-04	949	51.41133	-3.107	22	01-Jul-79	TU	0	0.1	GS
+51-04	950	51.35917	-3.16617	21	02-Jul-79	TU	0	0.2	GS
+51-04	951	51.35533	-3.21333	30	02-Jul-79	TU	0	0.2	GS
+51-04	952	51.3405	-3.20117	21	02-Jul-79	TU	0	0.1	GS
+51-04	953	51.34183	-3.17833	21	02-Jul-79	TU	0	0.1	GS
+51-04	955	51.34167	-3.11733	18	02-Jul-79	TU	0	0.1	GS
+51-04	956	51.33817	-3.13167	21	02-Jul-79	TU	0	0.2	GS
+51-04	957	51.334	-3.1495	25	02-Jul-79	TU	0	0.2	GS
+51-04	958	51.3225	-3.149	19	02-Jul-79	TU	0	0.1	GS
+51-04	959	51.31833	-3.149	19	02-Jul-79	TU	0	0.1	GS
+51-04	960	51.32	-3.11167	18	01-Jan-79	TU	0	0.2	GS
+51-04	961	51.28733	-3.07817	0	02-Jul-79	TU	0	0.2	GS
+51-04	962	51.30733	-3.05817	15	02-Jul-79	TU	0	0.1	GS

+51-04	963	51.27117	-3.086	14	02-Jul-79	TU	0	0.2	GS
+51-04	964	51.2565	-3.15633	14	02-Jul-79	TU	0	0.1	GS
+51-04	965	51.27067	-3.14683	15	02-Jul-79	TU	0	0.1	GS
+51-04	966	51.304	-3.12133	19	02-Jul-79	TU	0	0.2	GS
+51-04	967	51.308	-3.08	18	02-Jul-79	TU	0	0.2	GS
+51-04	968	51.33267	-3.09667	19	02-Jul-79	TU	0	0.1	GS
+51-04	969	51.33833	-3.079	14	02-Jul-79	TU	0	0.2	GS
+51-04	970	51.3415	-3.08017	19	02-Jul-79	TU	0	0.2	GS
+51-04	971	51.34567	-3.09917	13	02-Jul-79	TU	0	0.2	GS
+51-04	972	51.36067	-3.09567	14	02-Jul-79	TU	0	0.2	GS
+51-04	973	51.32417	-3.0765	16	02-Jul-79	TU	0	0.1	GS
+51-04	974	51.36433	-3.10317	15	02-Jul-79	TU	0	0.2	GS
+51-04	976	51.37367	-3.17383	15	02-Jul-79	TU	0	0.2	GS
+51-04	977	51.359	-3.21683	27	03-Jul-79	TU	0	0.2	GS
+51-04	978	51.34417	-3.1055	14	03-Jul-79	TU	0	0.2	GS
+51-04	979	51.32867	-3.17667	20	03-Jul-79	TU	0	0.2	GS
+51-04	980	51.32317	-3.22467	20	03-Jul-79	TU	0	0.2	GS
+51-04	981	51.33517	-3.23783	22	03-Jul-79	TU	0	0.2	GS
+51-04	982	51.3585	-3.25217	30	03-Jul-79	TU	0	0.1	GS
+51-04	983	51.269	-3.41083	25	04-Jul-79	TU	0	0.1	GS
+51-04	984	51.26683	-3.461	27	04-Jul-79	TU	0	0.1	GS
+51-04	985	51.23417	-3.46117	22	04-Jul-79	TU	0	0.1	GS
+51-04	986	51.2345	-3.53317	22	04-Jul-79	TU	0	0.1	GS
+51-04	987	51.23433	-3.532	22	04-Jul-79	TU	0	0.2	GS
+51-04	988	51.23883	-3.55267	19	04-Jul-79	TU	0	0.1	GS
+51-04	989	51.24817	-3.574	19	04-Jul-79	TU	0	0.2	GS
+51-04	990	51.24817	-3.5515	32	04-Jul-79	TU	0	0.2	GS
+51-04	991	51.21983	-3.45917	12	04-Jul-79	TU	0	0.2	GS
+51-04	992	51.21267	-3.27617	16	04-Jul-79	TU	0	0.1	GS
+51-04	993	51.22167	-3.19267	15	04-Jul-79	TU	0	0.1	GS
+51-04	994	51.2315	-3.23233	16	04-Jul-79	TU	0	0.2	GS
+51-04	995	51.2275	-3.25933	16	04-Jul-79	TU	0	0.2	GS
+51-04	996	51.21417	-3.256	15	04-Jul-79	TU	0	0.2	GS
+51-04	998	51.23333	-3.34767	17	04-Jul-79	TU	0	0.2	GS
+51-04	999	51.23233	-3.371	17	04-Jul-79	TU	0	0.1	GS
+51-04	1000	51.23083	-3.42933	18	04-Jul-79	TU	0	0.2	GS
+51-04	1001	51.24967	-3.48183	19	04-Jul-79	TU	0	0.2	GS
+51-04	1002	51.24883	-3.50467	0	04-Jul-79	TU	0	0.2	GS
+51-04	1004	51.24717	-3.54683	0	04-Jul-79	TU	0	0.3	GS
+51-04	1005	51.233	-3.51033	23	05-Jul-79	TU	0	0.2	GS
+51-04	1006	51.23	-3.48633	21	05-Jul-79	TU	0	0.2	GS
+51-04	1007	51.21767	-3.39	14	05-Jul-79	TU	0	0.2	GS
+51-04	1008	51.214	-3.3695	15	05-Jul-79	TU	0	0.2	GS
+51-04	1009	51.21617	-3.3515	15	05-Jul-79	TU	0	0.2	GS
+51-04	1011	51.246	-3.43383	21	05-Jul-79	TU	0	0.3	GS
+51-04	1012	51.24967	-3.454	12	05-Jul-79	TU	0	0.2	GS
+51-04	1013	51.249	-3.426	19	05-Jul-79	TU	0	0.2	GS
+51-04	1014	51.252	-3.40483	21	05-Jul-79	TU	0	0.1	GS
+51-04	1015	51.24933	-3.372	16	05-Jul-79	TU	0	0.2	GS
+51-04	1016	51.26933	-3.31333	22	05-Jul-79	TU	0	0.1	GS
+51-04	1017	51.26933	-3.31333	17	05-Jul-79	TU	0	0.3	GS
+51-04	1018	51.3815	-3.19883	16	05-Jul-79	TU	0	1.1	GS
+51-04	1019	51.37717	-3.21467	19	05-Jul-79	TU	0	0.1	GS
+51-04	1021	51.37367	-3.29883	19	05-Jul-79	TU	0	0.2	GS
+51-04	1022	51.37233	-3.342	12	05-Jul-79	TU	0	0.1	GS
+51-04	1024	51.37517	-3.43817	18	06-Jul-79	TU	0	0.6	GS
+51-04	1025	51.373	-3.46133	23	06-Jul-79	TU	0	0.1	GS

+51-04	1028	51.33833	-3.52217	38	06-Jul-79	TU	0	0.1	GS
+51-04	1029	51.31183	-3.55317	38	06-Jul-79	TU	0	0.1	GS
+51-04	1030	51.32933	-3.4925	25	06-Jul-79	TU	0	0.1	GS
+51-04	1031	51.35883	-3.3085	15	06-Jul-79	TU	0	0.1	GS
+51-04	1033	51.39017	-3.161	16	06-Jul-79	TU	0	0.2	GS
+51-04	1034	51.41883	-3.07983	12	06-Jul-79	TU	0	0.1	GS
+51-04	1035	51.4345	-3.0215	12	06-Jul-79	TU	0	0.2	GS
+51-04	1036	51.453	-3.02933	13	06-Jul-79	TU	0	0.2	GS
+51-04	1037	51.44717	-3.04217	0	06-Jul-79	TU	0	0.2	GS
+51-04	1038	51.43967	-3.0385	30	06-Jul-79	TU	0	0.1	GS
+51-04	1039	51.426	-3.00917	23	06-Jul-79	TU	0	0.2	GS
+51-04	1040	51.41833	-3.03717	30	06-Jul-79	TU	0	0.1	GS
+51-04	1041	51.323	-3.126	20	07-Jul-79	TU	0	0.1	GS
+51-04	1042	51.326	-3.1775	16	07-Jul-79	TU	0	0.2	GS
+51-04	1043	51.33983	-3.21017	16	07-Jul-79	TU	0	0.3	GS
+51-04	1044	51.32784	-3.261	15	07-Jul-79	TU	0	0.2	GS
+51-04	1046	51.3555	-3.22967	0	07-Jul-79	TU	0	0.2	GS
+51-04	1047	51.377	-3.21367	24	07-Jul-79	TU	0	0.4	GS
+51-04	1048	51.35883	-3.18383	25	07-Jul-79	TU	0	0.1	GS
+51-04	1049	51.32583	-3.20433	20	07-Jul-79	TU	0	2.2	GS
+51-04	1050	51.40317	-3.01217	15	07-Jul-79	TU	0	0.1	GS
+51-04	1051	51.426	-3.07317	16	07-Jul-79	TU	0	0.1	GS
+51-04	1052	51.383	-3.02733	17	07-Jul-79	TU	0	0.2	GS
+51-04	1053	51.38967	-3.01283	16	07-Jul-79	TU	0	0.2	GS
+51-04	1054	51.36733	-3.02333	25	07-Jul-79	TU	0	3.3	GS
+51-04	1055	51.36183	-3.0905	15	07-Jul-79	TU	0	1.2	GS
+51-04	1056	51.34917	-3.2465	0	08-Jul-79	TU	0	0.1	GS
+51-04	1057	51.35267	-3.3625	25	08-Jul-79	TU	0	0.2	GS
+51-04	1058	51.34817	-3.41267	27	08-Jul-79	TU	0	0.2	GS
+51-04	1060	51.34133	-3.4665	22	08-Jul-79	TU	0	0.3	GS
+51-04	1061	51.34417	-3.55517	25	08-Jul-79	TU	0	0.1	GS
+51-04	1063	51.26417	-3.50767	19	08-Jul-79	TU	0	0.2	GS
+51-04	1064	51.258	-3.48117	20	08-Jul-79	TU	0	0.2	GS
+51-04	1065	51.274	-3.42517	26	08-Jul-79	TU	0	0.1	GS
+51-04	1066	51.2825	-3.39583	21	08-Jul-79	TU	0	0.1	GS
+51-04	1067	51.26517	-3.36517	19	08-Jul-79	TU	0	0.2	GS
+51-04	1070	51.2695	-3.23183	17	08-Jul-79	TU	0	0.1	GS
+51-04	1071	51.27883	-3.22267	19	08-Jul-79	TU	0	0.1	GS
+51-04	1072	51.26817	-3.20367	0	08-Jul-79	TU	0	0.3	GS
+51-04	1073	51.2515	-3.22733	0	08-Jul-79	TU	0	0.1	GS
+51-04	1074	51.251	-3.26483	15	08-Jul-79	TU	0	0.2	GS
+51-04	1075	51.249	-3.28567	17	08-Jul-79	TU	0	0.2	GS
+51-04	1076	51.2385	-3.20267	20	08-Jul-79	TU	0	0.2	GS
+51-04	1077	51.246	-3.1745	20	08-Jul-79	TU	0	0.2	GS
+51-04	1079	51.3235	-3.167	22	08-Jul-79	TU	0	4.6	GS
+51-04	1080	51.33567	-3.16883	0	08-Jul-79	TU	0	0.1	GS
+51-04	1082	51.39433	-3.09367	14	08-Jul-79	TU	0	0.2	GS
+51-04	1083	51.42633	-3.071	0	09-Jul-79	TU	0	0.1	GS
+51-04	1084	51.455	-3.0645	15	09-Jul-79	TU	0	0.1	GS
+51-04	1086	51.45833	-3.10367	15	09-Jul-79	TU	0	0.1	GS
+51-04	1087	51.40867	-3.15083	22	09-Jul-79	TU	0	0.2	GS
+51-04	1088	51.42117	-3.1035	21	09-Jul-79	TU	0	0.2	GS
+51-04	1089	51.30433	-3.2305	19	09-Jul-79	TU	0	0.6	GS
+51-04	1090	51.2865	-3.3275	24	09-Jul-79	TU	0	0.2	GS
+51-04	1091	51.32283	-3.34817	17	09-Jul-79	TU	0	0.1	GS
+51-04	1092	51.32417	-3.41017	17	09-Jul-79	TU	0	0.1	GS
+51-04	1093	51.31833	-3.42833	25	09-Jul-79	TU	0	0.1	GS

+51-04	1094	51.31883	-3.48333	15	09-Jul-79	TU	0	0.1	GS
+51-04	1097	51.30183	-3.46033	24	09-Jul-79	TU	0	0.1	GS
+51-04	1098	51.3095	-3.43383	26	09-Jul-79	TU	0	0.1	GS
+51-04	1099	51.32133	-3.43333	30	09-Jul-79	TU	0	0.1	GS
+51-04	1100	51.388	-3.19017	18	09-Jul-79	TU	0	0.2	GS
+51-04	1101	51.39417	-3.17	15	09-Jul-79	TU	0	0.2	GS
+51-04	1102	51.3745	-3.14033	17	09-Jul-79	TU	0	0.2	GS
+51-04	1103	51.34967	-3.23067	37	09-Jul-79	TU	0	0.1	GS
+51-04	1104	51.42783	-3.153	9	22-Jun-79	ST	0	0.1	GS
+51-04	1105	51.44633	-3.13883	7	22-Jun-79	ST	0	0.1	GS
+51-04	1106	51.43817	-3.12333	16	22-Jun-79	ST	0	0.1	GS
+51-04	1107	51.43	-3.13217	19	22-Jun-79	ST	0	0.1	GS
+51-04	1108	51.43983	-3.14517	12	22-Jun-79	ST	0	0.1	GS
+51-04	1109	51.434	-3.16	10	22-Jun-79	ST	0	0.1	GS
+51-04	1110	51.44183	-3.15233	9	22-Jun-79	ST	0	0.1	GS
+51-04	1111	51.434	-3.11617	10	22-Jun-79	ST	0	0.1	GS
+51-04	1112	51.42833	-3.10617	18	22-Jun-79	ST	0	0.1	GS
+51-04	1113	51.4145	-3.11583	20	22-Jun-79	ST	0	0.1	GS
+51-04	1114	51.40183	-3.13267	26	22-Jun-79	ST	0	0.1	GS
+51-04	1115	51.4635	-3.0115	11	23-Jun-79	ST	0	0.2	GS
+51-04	1116	51.45517	-3.0255	19	23-Jun-79	ST	0	0	GS
+51-04	1117	51.43883	-3.02467	26	23-Jun-79	ST	0	0.1	GS
+51-04	1118	51.44567	-3.04417	9	23-Jun-79	ST	0	0.2	GS
+51-04	1119	51.454	-3.06217	9	23-Jun-79	ST	0	0.2	GS
+51-04	1120	51.4705	-3.07517	7	23-Jun-79	ST	0	0.1	GS
+51-04	1121	51.46783	-3.05167	8	23-Jun-79	ST	0	0.1	GS
+51-04	1122	51.48267	-3.04217	7	23-Jun-79	ST	0	0.2	GS
+51-04	1125	51.27833	-3.32067	20	24-Jun-79	ST	0	0.2	GS
+51-04	1126	51.2835	-3.2905	22	24-Jun-79	ST	0	0.1	GS
+51-04	1127	51.46417	-3.12667	7	26-Jun-79	ST	0	0.1	GS
+51-04	1128	51.45567	-3.10633	12	26-Jun-79	ST	0	0.2	GS
+51-04	1129	51.45017	-3.08883	14	26-Jun-79	ST	0	0.2	GS
+51-04	1130	51.46817	-3.0915	12	26-Jun-79	ST	0	0.1	GS
+51-04	1131	51.478	-3.11283	6	26-Jun-79	ST	0	0.1	GS
+51-04	1132	51.48333	-3.081	12	26-Jun-79	ST	0	0.2	GS
+51-04	1133	51.49567	-3.06167	12	26-Jun-79	ST	0	0.1	GS
+51-04	1134	51.50283	-3.0265	12	26-Jun-79	ST	0	0.1	GS
+51-04	1135	51.512	-3.00283	13	26-Jun-79	ST	0	0.1	GS
+51-04	1136	51.29917	-3.18867	13	26-Jun-79	ST	0	0.1	GS
+51-04	1137	51.29133	-3.2025	11	26-Jun-79	ST	0	0.1	GS
+51-04	1138	51.2925	-3.232	8	26-Jun-79	ST	0	0.2	GS
+51-04	1139	51.2905	-3.256	13	26-Jun-79	ST	0	0.1	GS
+51-04	1140	51.453	-3.02933	21	06-Jul-79	TU	0	0.1	GS
+51-04	1213	51.406	-3.07	0	06-Jul-79	TU	0	0.2	GS

BGS Cores

DGSQ	NUM	LAT	LON	DEPTH	WHEN	SH	CRUISE	OLDNUM	TD	EQ
+51-03	8	51.38834	-2.9883	17	04-Jun-76		11		0.1	CR
+51-03	9	51.40246	-2.98301	15	04-Jun-76		11		0.2	CR
+51-03	10	51.40577	-2.96675	15	04-Jun-76		11		0.2	CR
+51-03	11	51.42022	-2.96555	15	04-Jun-76		11		0.2	CR
+51-03	12	51.41931	-2.9848	16	04-Jun-76		11		0.1	CR
+51-03	13	51.43167	-2.99983	17	04-Jun-76		11		0.2	CR
+51-03	16	51.46324	-2.93575	17	04-Jun-76		11		0.1	CS
+51-03	17	51.45862	-2.91972	22	04-Jun-76		11		0.2	CS
+51-03	18	51.462	-2.90299	22	04-Jun-76		11		0.1	CR
+51-03	19	51.46276	-2.88028	21	04-Jun-76		11		0.2	CS
+51-03	20	51.4715	-2.85508	24	04-Jun-76		11		0.1	CS
+51-03	21	51.48178	-2.83568	23	04-Jun-76		11		0.1	CS
+51-03	22	51.48799	-2.81816	21	03-Jun-76		11		0.1	CS
+51-03	23	51.5007	-2.79123	14	04-Jun-76		11		0.1	CS
+51-03	25	51.50518	-2.78732	12	04-Jun-76		11		0.2	CS
+51-03	26	51.49922	-2.81225	13	04-Jun-76		11		0.2	CS
+51-03	27	51.49285	-2.83029	16	04-Jun-76		11		0.1	CS
+51-03	28	51.47601	-2.85227	14	04-Jun-76		11		0.2	CS
+51-03	29	51.4714	-2.86839	15	04-Jun-76		11		0.1	CS
+51-03	30	51.47224	-2.89603	10	04-Jun-76		11		0.1	CS
+51-03	31	51.46472	-2.91336	11	04-Jun-76		11		0.1	CS
+51-03	32	51.46711	-2.94415	9	04-Jun-76		11		0.2	CS
+51-03	33	51.4865	-2.97275	14	04-Jun-76		11		0.1	CS
+51-03	34	51.46476	-2.97044	12	04-Jun-76		11		0.1	CS
+51-03	35	51.44393	-2.97768	10	07-Jun-76		11		0.2	CS
+51-03	36	51.45203	-2.95749	14	07-Jun-76		11		0.1	CS
+51-03	37	51.47559	-2.99227	13	07-Jun-76		11		0.1	CS
+51-03	38	51.49546	-2.96628	14	07-Jun-76		11		0.1	CS
+51-03	40	51.50817	-2.99109	12	09-Jun-76		11		0.2	CS
+51-03	42	51.51887	-2.93108	19	09-Jun-76		11		0.2	CR
+51-03	100	51.48083	-2.98183	15	29-Jun-79	TU	0		1	CS
+51-03	106	51.41417	-2.994	14	07-Jul-79	TU	0		2.3	CR
+51-03	107	51.45567	-2.92283	23	07-Jul-79	TU	0		0.2	CR
+51-03	152	51.5095	-2.90583	14	26-Jun-79	TU	0		0.3	CS
+51-03	160	51.4595	-2.87667	20	26-Jun-79	TU	0		0.2	CS
+51-03	161	51.465	-2.8605	22	26-Jun-79	TU	0		0.2	CS
+51-03	166	51.40167	-2.9665	18	08-Jul-79	TU	0		0.2	CR
+51-04	7	51.24477	-3.21407	24	27-Sep-72		2		0.2	CS
+51-04	7	51.24477	-3.21407	24	27-Sep-72		2		0.2	CR
+51-04	8	51.25485	-3.20439	17	27-Sep-72		2		0.2	CR
+51-04	9	51.26669	-3.18516	15	27-Sep-72		2		0.2	CS
+51-04	11	51.28442	-3.15795	11	27-Sep-72		2		0.2	CS
+51-04	12	51.29334	-3.14606	11	27-Sep-72		2		0.4	CS
+51-04	13	51.30301	-3.12935	11	27-Sep-72		2		1.1	CR
+51-04	13	51.30301	-3.12935	11	27-Sep-72		2		1.1	CS
+51-04	14	51.32047	-3.11357	9	27-Sep-72		2		0.2	CR
+51-04	15	51.33734	-3.09866	18	27-Sep-72		2		0.1	CR
+51-04	16	51.34119	-3.08574	18	27-Sep-72		2		0.1	CR
+51-04	17	51.3535	-3.06125	14	27-Sep-72		2		0.1	CR
+51-04	18	51.35579	-3.06211	9	27-Sep-72		2		0.2	CR
+51-04	19	51.36305	-3.05228	18	27-Sep-72		2		0.2	CR
+51-04	20	51.35969	-3.08735	18	28-Sep-72		2		0.1	CR
+51-04	21	51.33804	-3.11851	18	28-Sep-72		2		0.4	CS
+51-04	23	51.31128	-3.14213	16	28-Sep-72		2		0.2	CS

+51-04	23	51.31128	-3.14213	16	28-Sep-72	2	0.2	CR
+51-04	24	51.2918	-3.17759	16	28-Sep-72	2	0.2	CR
+51-04	25	51.28739	-3.17956	15	28-Sep-72	2	0.2	CR
+51-04	26	51.28815	-3.18317	15	28-Sep-72	2	0.2	CR
+51-04	27	51.28456	-3.1851	13	28-Sep-72	2	0.1	CR
+51-04	28	51.28325	-3.18695	13	28-Sep-72	2	0.2	CR
+51-04	29	51.28151	-3.19788	11	28-Sep-72	2	0.2	CR
+51-04	30	51.26802	-3.21266	13	28-Sep-72	2	0.3	CS
+51-04	30	51.26802	-3.21266	13	28-Sep-72	2	0.3	CR
+51-04	31	51.26064	-3.2236	11	28-Sep-72	2	0.1	CS
+51-04	32	51.25764	-3.22724	15	28-Sep-72	2	0.1	CR
+51-04	33	51.25165	-3.2381	15	28-Sep-72	2	0.2	CR
+51-04	34	51.24028	-3.25429	12	28-Sep-72	2	0.1	CR
+51-04	35	51.22933	-3.26137	11	28-Sep-72	2	0.2	CR
+51-04	39	51.32405	-3.17464	15	29-Sep-72	2	0.7	CS
+51-04	41	51.28667	-3.20333	0	29-Sep-72	2	0.3	CS
+51-04	43	51.27887	-3.23444	18	29-Sep-72	2	0.1	CR
+51-04	44	51.26195	-3.2545	17	29-Sep-72	2	0.3	CS
+51-04	45	51.29739	-3.29265	24	30-Sep-72	2	0.1	CR
+51-04	46	51.2952	-3.3135	22	30-Sep-72	2	0.2	CR
+51-04	47	51.29007	-3.32659	27	30-Sep-72	2	0.2	CR
+51-04	50	51.26961	-3.32724	24	30-Sep-72	2	0.2	CR
+51-04	51	51.25896	-3.33977	22	30-Sep-72	2	0.1	CR
+51-04	53	51.24396	-3.36127	18	30-Sep-72	2	0.2	CR
+51-04	54	51.23403	-3.3344	15	30-Sep-72	2	0.2	CR
+51-04	55	51.25303	-3.30393	15	30-Sep-72	2	0.2	CR
+51-04	56	51.26178	-3.30804	19	30-Sep-72	2	0.2	CR
+51-04	57	51.26729	-3.2915	18	30-Sep-72	2	0.1	CR
+51-04	58	51.27268	-3.2917	20	30-Sep-72	2	0.2	CR
+51-04	163	51.3241	-3.36694	0	01-Jan-73	0	0.2	CR
+51-04	245	51.36333	-3.05917	27	16-Nov-73	18	0.2	CR
+51-04	246	51.36167	-3.04783	29	16-Nov-73	18	0.2	CR
+51-04	247	51.3335	-3.05333	29	16-Nov-73	18	0.1	CR
+51-04	248	51.31917	-3.0725	26	16-Nov-73	18	1.6	CS
+51-04	249	51.31833	-3.09583	25	16-Nov-73	18	1.6	CS
+51-04	250	51.29833	-3.13	17	16-Nov-73	18	1.1	CS
+51-04	251	51.265	-3.14833	13	16-Nov-73	18	1.4	CS
+51-04	252	51.25583	-3.1525	14	16-Nov-73	18	1.4	CS
+51-04	253	51.24917	-3.195	15	16-Nov-73	18	0.2	CS
+51-04	254	51.2275	-3.2225	15	16-Nov-73	18	0.5	CS
+51-04	255	51.23417	-3.2225	12	16-Nov-73	18	0.2	CR
+51-04	256	51.28417	-3.20583	13	16-Nov-73	18	0.1	CR
+51-04	258	51.27583	-3.22667	10	16-Nov-73	18	0.1	CR
+51-04	259	51.26833	-3.25917	19	16-Nov-73	18	0.1	CR
+51-04	260	51.26333	-3.28167	19	16-Nov-73	18	0.2	CR
+51-04	261	51.30833	-3.23	20	18-Nov-73	18	0.1	CR
+51-04	262	51.30583	-3.25	20	18-Nov-73	18	0.2	CR
+51-04	263	51.30833	-3.255	20	18-Nov-73	18	0.1	CR
+51-04	265	51.30417	-3.27417	26	18-Nov-73	18	0.2	CR
+51-04	266	51.30443	-3.28437	24	18-Nov-73	18	0.1	CR
+51-04	267	51.30384	-3.32745	22	18-Nov-73	18	0.2	CR
+51-04	268	51.30373	-3.313	0	18-Nov-73	18	0.1	CR
+51-04	269	51.3041	-3.30764	28	15-Nov-73	18	0.2	CR
+51-04	270	51.30418	-3.29617	24	18-Nov-73	18	0.1	CR
+51-04	271	51.33728	-3.29532	28	18-Nov-73	18	0.2	CR
+51-04	272	51.31452	-3.27385	0	18-Nov-73	18	0.1	CR

+51-04	277	51.25955	-3.54117	35	22-Nov-73	18	0.1	CR
+51-04	278	51.28941	-3.51876	40	22-Nov-73	18	0.2	CR
+51-04	279	51.29239	-3.51216	42	22-Nov-73	18	0.2	CR
+51-04	280	51.30033	-3.51385	36	22-Nov-73	18	0.2	CR
+51-04	281	51.31016	-3.51093	37	22-Nov-73	18	0.2	CR
+51-04	282	51.31197	-3.50437	35	22-Nov-73	18	0.2	CR
+51-04	283	51.32795	-3.48791	22	22-Nov-73	18	0.1	CR
+51-04	284	51.35653	-3.38965	24	22-Nov-73	18	0.2	CR
+51-04	285	51.33546	-3.3864	27	22-Nov-73	18	0.2	CR
+51-04	286	51.31817	-3.38961	0	22-Nov-73	18	0.2	CR
+51-04	287	51.30412	-3.39211	33	22-Nov-73	18	0.2	CR
+51-04	289	51.30675	-3.38246	0	22-Nov-73	18	0.2	CR
+51-04	290	51.26533	-3.38083	24	22-Nov-73	18	0.1	CR
+51-04	291	51.2475	-3.365	0	22-Nov-73	18	0.2	CR
+51-04	294	51.36417	-3.05583	27	16-Nov-73	18	0.1	CR
+51-04	311	51.28833	-3.30667	2200	13-Nov-74	16	0.1	CR
+51-04	312	51.30131	-3.29529	21	13-May-74	16	0.2	CR
+51-04	313	51.31025	-3.31818	30	13-May-74	16	0.1	CR
+51-04	314	51.32056	-3.29766	24	13-May-74	16	0.2	CR
+51-04	315	51.30937	-3.28741	23	13-May-74	16	0.2	CR
+51-04	316	51.31397	-3.28185	23	13-May-74	16	0.2	CR
+51-04	317	51.30963	-3.27295	22	13-May-74	16	0.2	CR
+51-04	318	51.31	-3.26083	22	13-May-74	16	0.2	CR
+51-04	320	51.33339	-3.2698	21	13-May-74	16	0.2	CR
+51-04	321	51.31665	-3.25206	16	13-May-74	16	0.2	CR
+51-04	322	51.3075	-3.21583	16	13-May-74	16	0.2	CR
+51-04	323	51.32943	-3.21943	19	13-May-74	16	0.2	CR
+51-04	324	51.34737	-3.23526	24	13-May-74	16	0.3	CR
+51-04	325	51.3375	-3.16717	23	13-May-74	16	0.2	CR
+51-04	326	51.36941	-3.15781	20	14-May-74	16	0.2	CR
+51-04	327	51.34	-3.14417	19	14-May-74	16	0.2	CR
+51-04	328	51.345	-3.13083	22	14-May-74	16	0.2	CR
+51-04	329	51.31083	-3.13333	15	13-May-74	16	1.4	CR
+51-04	329	51.31083	-3.13333	15	13-May-74	16	1.4	CS
+51-04	330	51.32917	-3.09833	17	13-May-74	16	0.2	CR
+51-04	332	51.35333	-3.0875	14	14-May-74	16	0.2	CR
+51-04	333	51.32917	-3.09917	26	13-May-74	16	0.5	CR
+51-04	334	51.3325	-3.05167	15	13-May-74	16	0.1	CR
+51-04	336	51.35833	-3.045	11	14-May-74	16	0.2	CR
+51-04	337	51.3025	-3.26167	19	13-May-74	16	0.2	CR
+51-04	338	51.4025	-3.00333	16	14-May-74	16	0.3	CR
+51-04	339	51.4	-3.025	14	14-May-74	16	0.2	CR
+51-04	340	51.38917	-3.05833	17	14-May-74	16	0.2	CR
+51-04	341	51.37333	-3.03667	16	14-May-74	16	0.1	CR
+51-04	343	51.38875	-3.12666	22	14-May-74	16	0.1	CR
+51-04	344	51.3975	-3.0475	16	14-May-74	16	0.2	CR
+51-04	345	51.38309	-3.0768	35	14-May-74	16	0.2	CR
+51-04	346	51.38866	-3.16152	22	14-May-74	16	0.2	CR
+51-04	348	51.42	-3.045	23	14-May-74	16	0.2	CR
+51-04	348	51.42	-3.045	23	14-May-74	16	0.2	CS
+51-04	349	51.37475	-3.3101	16	14-May-74	16	0.1	CR
+51-04	349	51.37475	-3.3101	16	14-May-74	16	0.1	CS
+51-04	350	51.33105	-3.34106	18	14-May-74	16	0.1	CR
+51-04	351	51.27083	-3.25333	16	14-May-74	16	0.2	CR
+51-04	352	51.36033	-3.2061	14	14-May-74	16	0.2	CR
+51-04	352	51.36033	-3.2061	14	14-May-74	16	0.2	CS

+51-04	353	51.35182	-3.32944	37	15-May-74	16	0.2	CR
+51-04	354	51.35148	-3.29892	0	15-May-74	16	0.1	CR
+51-04	355	51.35165	-3.24628	39	15-May-74	16	0.2	CR
+51-04	373	51.33218	-3.17623	0	04-Sep-75	13	0.1	CR
+51-04	374	51.33331	-3.17807	0	04-Sep-75	13	0.1	CR
+51-04	375	51.33463	-3.15865	0	04-Sep-75	13	0.1	CR
+51-04	376	51.33627	-3.15988	0	04-Sep-75	13	0.1	CR
+51-04	377	51.33858	-3.1555	0	04-Sep-75	13	0.1	CR
+51-04	378	51.33899	-3.13581	0	04-Sep-75	13	0.1	CR
+51-04	379	51.33955	-3.13781	0	04-Sep-75	13	0.1	CR
+51-04	380	51.33929	-3.13376	0	04-Sep-75	13	0.1	CR
+51-04	381	51.33404	-3.17674	0	04-Sep-75	13	0.1	CR
+51-04	382	51.33428	-3.17654	0	04-Sep-75	13	0.1	CR
+51-04	384	51.32867	-3.36867	0	05-Sep-75	13	0.1	CR
+51-04	385	51.32874	-3.37067	0	06-Sep-75	13	0.1	CR
+51-04	386	51.32492	-3.37091	0	06-Sep-75	13	0.1	CR
+51-04	387	51.33436	-3.35003	0	05-Sep-75	13	0.1	CR
+51-04	388	51.33434	-3.34964	0	06-Sep-75	13	0.2	CR
+51-04	389	51.33431	-3.34963	0	06-Sep-75	13	0.1	CR
+51-04	390	51.24874	-3.32842	0	06-Sep-75	13	0.2	CR
+51-04	391	51.24874	-3.32768	0	06-Sep-75	13	0.1	CR
+51-04	392	51.24872	-3.32711	0	06-Sep-75	13	0.1	CR
+51-04	393	51.34318	-3.30146	0	06-Sep-75	13	0.1	CR
+51-04	394	51.33046	-3.31527	0	06-Sep-75	13	0.1	CR
+51-04	399	51.27838	-3.52751	0	07-Sep-75	13	0.1	CR
+51-04	400	51.30335	-3.51977	0	07-Sep-75	13	0.2	CR
+51-04	401	51.31925	-3.49969	0	07-Sep-75	13	0.1	CR
+51-04	402	51.34997	-3.47806	0	07-Sep-75	13	0.2	CR
+51-04	403	51.35081	-3.42194	0	07-Sep-75	13	0.2	CR
+51-04	404	51.35271	-3.48214	0	07-Sep-75	13	0.1	CR
+51-04	405	51.3848	-3.23838	15	03-Jun-76	11	0.1	CR
+51-04	406	51.38485	-3.23641	17	03-Jun-76	11	0.2	CR
+51-04	407	51.39797	-3.19154	17	03-Jun-76	11	0.2	CR
+51-04	408	51.40064	-3.15434	14	03-Jun-76	11	0.2	CR
+51-04	410	51.4124	-3.14672	18	03-Jun-76	11	0.2	CR
+51-04	411	51.42854	-3.13804	16	03-Jun-76	11	0.1	CR
+51-04	412	51.42303	-3.09441	18	03-Jun-76	11	0.1	CR
+51-04	413	51.40977	-3.0986	19	03-Jun-76	11	0.1	CR
+51-04	414	51.42884	-3.10739	12	03-Jun-76	11	0.1	CR
+51-04	415	51.38919	-3.1118	12	03-Jun-76	11	0.2	CR
+51-04	416	51.39106	-3.07442	19	03-Jun-76	11	0.2	CR
+51-04	417	51.41011	-3.05625	10	03-Jun-76	11	0.1	CR
+51-04	418	51.4037	-3.02636	18	03-Jun-76	11	0.2	CR
+51-04	419	51.3624	-3.1156	30	03-Jun-76	11	0.1	CR
+51-04	420	51.35162	-3.15382	29	03-Jun-76	11	0.1	CR
+51-04	422	51.34004	-3.18726	23	03-Jun-76	11	0.1	CR
+51-04	423	51.33615	-3.23366	22	03-Jun-76	11	0.2	CR
+51-04	424	51.3325	-3.2717	21	04-Jun-76	11	0.2	CR
+51-04	425	51.32661	-3.33089	21	03-Jun-76	11	0.1	CR
+51-04	426	51.3248	-3.38931	25	03-Jun-76	11	0.1	CR
+51-04	427	51.35486	-3.50875	32	03-Jun-76	11	0.1	CR
+51-04	428	51.35103	-3.45012	28	03-Jun-76	11	0.1	CR
+51-04	429	51.35751	-3.39694	25	03-Jun-76	11	0.1	CR
+51-04	430	51.38252	-3.52476	26	03-Jun-76	11	0.1	CR
+51-04	431	51.39006	-3.56477	19	04-Jun-76	11	0.2	CR
+51-04	432	51.37272	-3.5761	24	04-Jun-76	11	0.2	CR

+51-04	433	51.3524	-3.56487	26	04-Jun-76	11	0.1	CR
+51-04	434	51.31991	-3.53902	23	04-Jun-76	11	0.1	CR
+51-04	436	51.30777	-3.59622	45	04-Jun-76	11	0.1	CR
+51-04	453	51.38408	-3.05203	18	04-Jun-76	11	0.1	CS
+51-04	454	51.37667	-3.00333	19	04-Jun-76	11	0.2	CS
+51-04	455	51.3901	-3.02214	17	04-Jun-76	11	0.2	CR
+51-04	456	51.40555	-3.00628	16	04-Jun-76	11	0.2	CR
+51-04	457	51.44454	-3.0193	26	04-Jun-76	11	0.1	CR
+51-04	458	51.36926	-3.08023	15	04-Jun-76	11	0.1	CR
+51-04	459	51.37368	-3.15213	16	04-Jun-76	11	0.2	CR
+51-04	460	51.3622	-3.19153	37	04-Jun-76	11	0.1	CR
+51-04	461	51.35951	-3.23343	31	04-Jun-76	11	0.1	CR
+51-04	462	51.36005	-3.27197	20	04-Jun-76	11	0.2	CR
+51-04	463	51.35354	-3.30989	32	04-Jun-76	11	0.1	CR
+51-04	464	51.35423	-3.34884	39	04-Jun-76	11	0.1	CR
+51-04	465	51.32403	-3.33268	23	04-Jun-76	11	0.2	CR
+51-04	466	51.33125	-3.41946	30	04-Jun-76	11	0.1	CR
+51-04	467	51.31298	-3.40589	25	05-Jun-76	11	0.2	CR
+51-04	468	51.30803	-3.40491	23	05-Jun-76	11	0.1	CR
+51-04	469	51.30344	-3.36853	23	05-Jun-76	11	0.2	CR
+51-04	470	51.28286	-3.36902	22	05-Jun-76	11	0.2	CR
+51-04	471	51.26009	-3.36566	20	05-Jun-76	11	0.2	CR
+51-04	472	51.24128	-3.36426	15	05-Jun-76	11	0.2	CR
+51-04	474	51.21741	-3.33466	9	05-Jun-76	11	0.2	CR
+51-04	475	51.23612	-3.30614	13	05-Jun-76	11	0.1	CR
+51-04	476	51.24516	-3.30598	13	05-Jun-76	11	0.2	CR
+51-04	477	51.2186	-3.29547	13	05-Jun-76	11	0.1	CR
+51-04	478	51.23331	-3.28308	13	05-Jun-76	11	0.1	CR
+51-04	479	51.24596	-3.26794	13	05-Jun-76	11	0.2	CR
+51-04	480	51.23276	-3.19252	14	05-Jun-76	11	0.2	CR
+51-04	481	51.24389	-3.17786	14	05-Jun-76	11	0.2	CR
+51-04	482	51.25574	-3.16444	14	05-Jun-76	11	0.2	CR
+51-04	483	51.27275	-3.27217	0	05-Jun-76	11	0.1	CR
+51-04	484	51.27211	-3.30496	0	05-Jun-76	11	0.2	CR
+51-04	485	51.27308	-3.3265	0	05-Jun-76	11	0.2	CR
+51-04	486	51.27521	-3.38421	0	05-Jun-76	11	0.2	CR
+51-04	487	51.27553	-3.42349	0	05-Jun-76	11	0.2	CR
+51-04	488	51.26888	-3.46286	0	05-Jun-76	11	0.2	CR
+51-04	489	51.30626	-3.33167	0	05-Jun-76	11	0.2	CR
+51-04	490	51.29105	-3.30149	0	05-Jun-76	11	0.3	CR
+51-04	491	51.317	-3.28597	0	05-Jun-76	11	0.2	CR
+51-04	492	51.30514	-3.18722	17	05-Jun-76	11	0.2	CR
+51-04	493	51.3091	-3.16195	14	05-Jun-76	11	0.2	CS
+51-04	494	51.28717	-3.11796	9	05-Jun-76	11	0.1	CR
+51-04	495	51.28457	-3.12866	9	05-Jun-76	11	0.1	CR
+51-04	496	51.27709	-3.14001	8	05-Jun-76	11	0.2	CR
+51-04	497	51.26412	-3.15197	8	05-Jun-76	11	0.1	CS
+51-04	498	51.29933	-3.10004	11	05-Jun-76	11	0.1	CS
+51-04	499	51.31281	-3.08686	13	05-Jun-76	11	0.1	CS
+51-04	500	51.27244	-3.10025	8	05-Jun-76	11	0.1	CS
+51-04	501	51.28772	-3.08793	7	05-Jun-76	11	0.1	CS
+51-04	502	51.29862	-3.07288	7	05-Jun-76	11	0.1	CS
+51-04	503	51.30797	-3.0607	12	05-Jun-76	11	0.1	CS
+51-04	504	51.31871	-3.04774	12	05-Jun-76	11	0.2	CS
+51-04	505	51.31484	-3.12046	17	05-Jun-76	11	0.1	CS
+51-04	506	51.32454	-3.21475	17	05-Jun-76	11	0.2	CS

+51-04	507	51.29663	-3.24375	17	05-Jun-76	11	0.2	CS
+51-04	508	51.27826	-3.32511	19	05-Jun-76	11	0.1	CS
+51-04	509	51.28303	-3.39538	29	05-Jun-76	11	0.2	CS
+51-04	510	51.26158	-3.37863	27	06-Jun-76	11	0.2	CS
+51-04	511	51.2735	-3.42422	27	06-Jun-76	11	0.2	CR
+51-04	512	51.29368	-3.419	31	06-Jun-76	11	0.2	CR
+51-04	513	51.31789	-3.45397	29	06-Jun-76	11	0.2	CS
+51-04	514	51.29808	-3.45594	30	06-Jun-76	11	0.2	CS
+51-04	515	51.27593	-3.45749	30	06-Jun-76	11	0.1	CR
+51-04	516	51.29005	-3.485	29	06-Jun-76	11	0.2	CR
+51-04	516	51.29005	-3.485	29	06-Jun-76	11	0.2	CS
+51-04	517	51.30899	-3.4826	22	06-Jun-76	11	0.1	CS
+51-04	518	51.33121	-3.48699	24	06-Jun-76	11	0.2	CR
+51-04	519	51.33124	-3.52434	28	06-Jun-76	11	0.1	CR
+51-04	520	51.30942	-3.52541	26	06-Jun-76	11	0.2	CR
+51-04	521	51.28722	-3.52485	28	06-Jun-76	11	0.2	CR
+51-04	522	51.30837	-3.5602	34	06-Jun-76	11	0.1	CR
+51-04	524	51.24613	-3.55758	19	06-Jun-76	11	0.2	CR
+51-04	525	51.24707	-3.52772	22	06-Jun-76	11	0.2	CR
+51-04	526	51.24245	-3.4783	22	06-Jun-76	11	0.1	CR
+51-04	526	51.24245	-3.4783	22	06-Jun-76	11	0.1	CS
+51-04	527	51.23253	-3.45502	20	06-Jun-76	11	0.2	CR
+51-04	528	51.21281	-3.41543	29	06-Jun-76	11	0.2	CR
+51-04	529	51.20112	-3.39872	6	06-Jun-76	11	0.1	CR
+51-04	530	51.19519	-3.36804	7	06-Jun-76	11	0.2	CR
+51-04	531	51.19751	-3.33402	10	06-Jun-76	11	0.1	CS
+51-04	531	51.19751	-3.33402	10	06-Jun-76	11	0.1	CR
+51-04	532	51.19588	-3.2958	9	06-Jun-76	11	0.1	CR
+51-04	533	51.2091	-3.25904	11	06-Jun-76	11	0.2	CS
+51-04	533	51.2091	-3.25904	11	06-Jun-76	11	0.2	CR
+51-04	534	51.21416	-3.2172	12	06-Jun-76	11	0.2	CS
+51-04	535	51.2251	-3.20697	15	06-Jun-76	11	0.3	CS
+51-04	536	51.21581	-3.17807	11	06-Jun-76	11	0.1	CS
+51-04	537	51.22647	-3.16525	12	06-Jun-76	11	0.1	CS
+51-04	538	51.23484	-3.15281	13	06-Jun-76	11	0.2	CS
+51-04	539	51.24369	-3.1406	13	06-Jun-76	11	0.2	CS
+51-04	540	51.25282	-3.13072	15	06-Jun-76	11	0.2	CS
+51-04	541	51.26514	-3.10825	15	06-Jun-76	11	0.2	CS
+51-04	542	51.24118	-3.40093	20	06-Jun-76	11	0.2	CR
+51-04	543	51.22016	-3.39848	17	06-Jun-76	11	0.2	CR
+51-04	544	51.2303	-3.43041	19	06-Jun-76	11	0.2	CR
+51-04	545	51.25179	-3.4295	25	06-Jun-76	11	0.2	CR
+51-04	546	51.25674	-3.45464	25	06-Jun-76	11	0.2	CR
+51-04	547	51.26563	-3.4797	24	06-Jun-76	11	0.2	CR
+51-04	548	51.26638	-3.52078	20	06-Jun-76	11	0.2	CR
+51-04	549	51.26733	-3.54958	19	06-Jun-76	11	0.3	CS
+51-04	575	51.45486	-3.03384	16	07-Jun-76	11	0.1	CS
+51-04	576	51.45257	-3.07377	14	07-Jun-76	11	0.2	CS
+51-04	577	51.4727	-3.05286	12	07-Jun-76	11	0.2	CS
+51-04	578	51.47056	-3.09436	12	07-Jun-76	11	0.2	CS
+51-04	579	51.45055	-3.11199	14	07-Jun-76	11	0.1	CS
+51-04	612	51.2667	-3.33682	17	08-Jun-76	11	0.2	CR
+51-04	613	51.29573	-3.30659	17	08-Jun-76	11	0.2	CS
+51-04	614	51.40172	-3.58272	14	08-Jun-76	11	0.1	CR
+51-04	671	51.3478	-3.04574	21	09-Jun-76	11	0.1	CR
+51-04	672	51.34862	-3.04073	26	09-Jun-76	11	0.1	CR

+51-04	673	51.3491	-3.03686	28	09-Jun-76		11	0.2	CR
+51-04	674	51.3511	-3.03263	27	09-Jun-76		11	0.1	CR
+51-04	675	51.3529	-3.0275	25	09-Jun-76		11	0.1	CR
+51-04	676	51.43833	-3.05555	13	09-Jun-76		11	0.2	CR
+51-04	677	51.43474	-3.0901	15	09-Jun-76		11	0.2	CR
+51-04	678	51.48216	-3.01144	12	09-Jun-76		11	0.1	CR
+51-04	679	51.49214	-3.03031	12	09-Jun-76		11	0.2	CR
+51-04	679	51.49214	-3.03031	12	09-Jun-76		11	0.2	CS
+51-04	680	51.41068	-3.04142	32	09-Jun-76		11	0.1	CR
+51-04	692	51.42811	-3.59647	28	09-Jun-76		11	0.1	CR
+51-04	696	51.35883	-3.02059	21	10-Jun-76		11	0.1	CR
+51-04	697	51.35748	-3.01239	18	10-Jun-76		11	0.1	CR
+51-04	698	51.3624	-3.00829	27	10-Jun-76		11	0.1	CR
+51-04	699	51.3488	-3.01225	17	10-Jun-76		11	0.2	CR
+51-04	700	51.35087	-3.01578	21	10-Jun-76		11	0.1	CR
+51-04	701	51.35923	-3.01817	22	10-Jun-76		11	0.1	CR
+51-04	702	51.36709	-3.02085	18	10-Jun-76		11	0.1	CR
+51-04	703	51.35099	-3.23202	34	10-Jun-76		11	0.1	CR
+51-04	704	51.38883	-3.18488	16	10-Jun-76		11	0.1	CR
+51-04	705	51.38478	-3.18573	17	10-Jun-76		11	0.1	CR
+51-04	706	51.37968	-3.18545	18	10-Jun-76		11	0.1	CR
+51-04	707	51.37609	-3.18744	17	10-Jun-76		11	0.1	CR
+51-04	708	51.37025	-3.18526	20	10-Jun-76		11	0.1	CR
+51-04	709	51.36552	-3.18536	17	10-Jun-76		11	0.1	CR
+51-04	710	51.36119	-3.18621	17	10-Jun-76		11	0.1	CR
+51-04	711	51.36835	-3.14535	11	10-Jun-76		11	0.1	CR
+51-04	712	51.37399	-3.14832	10	10-Jun-76		11	0.1	CR
+51-04	713	51.37653	-3.15202	12	10-Jun-76		11	0.1	CR
+51-04	714	51.39067	-3.14818	10	10-Jun-76		11	0.1	CR
+51-04	715	51.39483	-3.14647	15	10-Jun-76		11	0.1	CR
+51-04	716	51.40032	-3.14663	7	10-Jun-76		11	0.1	CR
+51-04	717	51.41833	-3.10583	10	10-Jun-76		11	0.1	CR
+51-04	718	51.41426	-3.10753	10	10-Jun-76		11	0.1	CR
+51-04	719	51.40318	-3.10651	15	10-Jun-76		11	0.1	CR
+51-04	720	51.39831	-3.10093	19	10-Jun-76		11	0.1	CR
+51-04	721	51.39233	-3.1059	20	10-Jun-76		11	0.1	CR
+51-04	722	51.38861	-3.10369	12	10-Jun-76		11	0.1	CR
+51-04	723	51.35881	-3.23188	30	10-Jun-76		11	0.1	CR
+51-04	724	51.36322	-3.23385	24	10-Jun-76		11	0.1	CR
+51-04	725	51.3674	-3.23466	31	10-Jun-76		11	0.1	CR
+51-04	726	51.37137	-3.23314	15	10-Jun-76		11	0.1	CR
+51-04	727	51.37586	-3.23396	15	10-Jun-76		11	0.1	CR
+51-04	728	51.38011	-3.23244	17	10-Jun-76		11	0.2	CR
+51-04	876	51.3255	-3.5215	21	17-Jun-79	ST	0	0.1	CS
+51-04	878	51.30267	-3.43233	24	17-Jun-79	ST	0	0.1	CS
+51-04	879	51.267	-3.39933	23	17-Jun-79	ST	0	0.1	CS
+51-04	880	51.25867	-3.43283	22	17-Jun-79	ST	0	0.2	CS
+51-04	881	51.35867	-3.278	12	17-Jun-79	ST	0	0.1	CS
+51-04	882	51.341	-3.3025	27	17-Jun-79	ST	0	0.1	CS
+51-04	883	51.338	-3.34783	20	17-Jun-79	ST	0	0.3	CS
+51-04	884	51.3215	-3.3765	195	17-Jun-79	ST	0	0.2	CS
+51-04	888	51.3625	-3.14617	14	28-Jun-79	TU	0	0.1	CS
+51-04	891	51.34267	-3.1435	19	28-Jun-79	TU	0	0.2	CR
+51-04	892	51.35083	-3.12267	0	28-Jun-79	TU	0	0.2	CR
+51-04	893	51.3525	-3.01417	20	28-Jun-79	TU	0	0.2	CR
+51-04	894	51.34767	-3.068	21	28-Jun-79	TU	0	0.2	CR

+51-04	896	51.3875	-3.097	19	28-Jun-79	TU	0	0.1	CR
+51-04	897	51.395	-3.10183	16	29-Jun-79	TU	0	0.2	CR
+51-04	898	51.39783	-3.1215	10	29-Jun-79	TU	0	0.2	CR
+51-04	899	51.40467	-3.1245	20	29-Jun-79	TU	0	0.1	CR
+51-04	900	51.41567	-3.139	10	29-Jun-79	TU	0	0.1	CR
+51-04	901	51.43083	-3.133	14	29-Jun-79	TU	0	0.2	CR
+51-04	902	51.447	-3.1155	0	29-Jun-79	TU	0	0.3	CR
+51-04	903	51.46983	-3.0105	12	29-Jun-79	TU	0	0.2	CR
+51-04	904	51.472	-3.00067	16	29-Jun-79	TU	0	0.1	CR
+51-04	906	51.30467	-3.25733	25	30-Jun-79	TU	0	0.1	CR
+51-04	907	51.3065	-3.29567	24	30-Jun-79	TU	0	0.2	CR
+51-04	908	51.30567	-3.32583	26	30-Jun-79	TU	0	0.2	CR
+51-04	909	51.30367	-3.351	27	30-Sep-79	TU	0	0.2	CR
+51-04	911	51.303	-3.37633	28	30-Jun-79	TU	0	0.2	CR
+51-04	912	51.29283	-3.37517	25	30-Jun-79	TU	0	0.3	CR
+51-04	913	51.30033	-3.40417	25	30-Jun-79	TU	0	0.1	CR
+51-04	914	51.2865	-3.42167	28	30-Jun-79	TU	0	0.2	CR
+51-04	915	51.29483	-3.48783	29	30-Jun-79	TU	0	0.2	CR
+51-04	916	51.28883	-3.55133	31	30-Jun-79	TU	0	0.2	CR
+51-04	919	51.26433	-3.57683	0	30-Jun-79	TU	0	0.1	CR
+51-04	926	51.31367	-3.1745	16	01-Jul-79	TU	0	0.5	CR
+51-04	927	51.30617	-3.2065	16	01-Jul-79	TU	0	0.2	CR
+51-04	928	51.297	-3.19483	17	01-Jul-79	TU	0	0.1	CS
+51-04	929	51.28017	-3.17283	17	01-Jul-79	TU	0	0.1	CR
+51-04	930	51.26983	-3.1635	17	01-Jul-79	TU	0	0.2	CS
+51-04	932	51.30683	-3.15933	19	01-Jul-79	TU	0	0.5	CS
+51-04	933	51.2975	-3.14733	20	01-Jul-79	TU	0	0.2	CR
+51-04	935	51.271	-3.086	15	01-Jul-79	TU	0	1.2	CS
+51-04	937	51.33333	-3.05083	23	01-Jul-79	TU	0	0.1	CR
+51-04	938	51.33817	-3.04783	20	01-Jul-79	TU	0	0.1	CR
+51-04	939	51.34433	-3.05533	19	01-Jul-79	TU	0	0.2	CR
+51-04	940	51.3525	-3.04583	17	01-Jul-79	TU	0	0.2	CR
+51-04	941	51.34467	-3.03117	16	01-Jul-79	TU	0	0.1	CR
+51-04	942	51.366	-3.05567	15	01-Jul-79	TU	0	0.2	CR
+51-04	943	51.36267	-3.02083	13	01-Jul-79	TU	0	0.1	CR
+51-04	944	51.37883	-3.0675	13	01-Jul-79	TU	0	0.1	CR
+51-04	945	51.38783	-3.0635	17	01-Jul-79	TU	0	0.1	CR
+51-04	946	51.4	-3.05367	17	01-Jul-79	TU	0	0.1	CR
+51-04	952	51.3405	-3.20117	21	02-Jul-79	TU	0	0.2	CR
+51-04	953	51.34183	-3.17833	21	02-Jul-79	TU	0	0.2	CR
+51-04	954	51.34833	-3.14867	18	02-Jul-79	TU	0	0.1	CR
+51-04	955	51.34167	-3.11733	18	02-Jul-79	TU	0	0.2	CR
+51-04	956	51.33817	-3.13167	21	02-Jul-79	TU	0	0.2	CR
+51-04	957	51.334	-3.1495	25	02-Jul-79	TU	0	0.2	CR
+51-04	958	51.3225	-3.149	19	02-Jul-79	TU	0	0.2	CR
+51-04	959	51.31833	-3.149	19	02-Jul-79	TU	0	0.2	CS
+51-04	960	51.32	-3.11167	18	01-Jan-79	TU	0	0.2	CR
+51-04	964	51.2565	-3.15633	14	02-Jul-79	TU	0	0.1	CR
+51-04	965	51.27067	-3.14683	15	02-Jul-79	TU	0	0.2	CR
+51-04	966	51.304	-3.12133	19	02-Jul-79	TU	0	0.1	CR
+51-04	967	51.308	-3.08	18	02-Jul-79	TU	0	0.1	CR
+51-04	968	51.33267	-3.09667	19	02-Jul-79	TU	0	0.2	CR
+51-04	969	51.33833	-3.079	14	02-Jul-79	TU	0	0.2	CR
+51-04	971	51.34567	-3.09917	13	02-Jul-79	TU	0	0.1	CR
+51-04	972	51.36067	-3.09567	14	02-Jul-79	TU	0	0.2	CR
+51-04	974	51.36433	-3.10317	15	02-Jul-79	TU	0	0.1	CR

+51-04	975	51.3715	-3.13417	15	02-Jul-79	TU	0	0.1	CR
+51-04	976	51.37367	-3.17383	15	02-Jul-79	TU	0	0.2	CR
+51-04	978	51.34417	-3.1055	14	03-Jul-79	TU	0	0.4	CR
+51-04	979	51.32867	-3.17667	20	03-Jul-79	TU	0	0.2	CR
+51-04	981	51.33517	-3.23783	22	03-Jul-79	TU	0	0.2	CR
+51-04	983	51.269	-3.41083	25	04-Jul-79	TU	0	0.1	CR
+51-04	984	51.26683	-3.461	27	04-Jul-79	TU	0	0.1	CR
+51-04	985	51.23417	-3.46117	22	04-Jul-79	TU	0	0.1	CR
+51-04	987	51.23433	-3.532	22	04-Jul-79	TU	0	0.2	CR
+51-04	988	51.23883	-3.55267	19	04-Jul-79	TU	0	0.3	CR
+51-04	989	51.24817	-3.574	19	04-Jul-79	TU	0	0.2	CR
+51-04	990	51.24817	-3.5515	32	04-Jul-79	TU	0	0.2	CR
+51-04	994	51.2315	-3.23233	16	04-Jul-79	TU	0	0.2	CR
+51-04	995	51.2275	-3.25933	16	04-Jul-79	TU	0	0.1	CR
+51-04	996	51.21417	-3.256	15	04-Jul-79	TU	0	0.2	CR
+51-04	997	51.234	-3.31667	15	04-Jul-79	TU	0	0.2	CR
+51-04	999	51.23233	-3.371	17	04-Jul-79	TU	0	0.2	CR
+51-04	1000	51.23083	-3.42933	18	04-Jul-79	TU	0	0.2	CR
+51-04	1001	51.24967	-3.48183	19	04-Jul-79	TU	0	0.2	CR
+51-04	1002	51.24883	-3.50467	0	04-Jul-79	TU	0	0.2	CR
+51-04	1003	51.24767	-3.52983	0	04-Jul-79	TU	0	0.1	CR
+51-04	1005	51.233	-3.51033	23	05-Jul-79	TU	0	0.2	CR
+51-04	1006	51.23	-3.48633	21	05-Jul-79	TU	0	0.1	CR
+51-04	1007	51.21767	-3.39	14	05-Jul-79	TU	0	0.2	CR
+51-04	1008	51.214	-3.3695	15	05-Jul-79	TU	0	0.2	CR
+51-04	1009	51.21617	-3.3515	15	05-Jul-79	TU	0	0.1	CR
+51-04	1010	51.2345	-3.40483	17	05-Jul-79	TU	0	0.1	CR
+51-04	1011	51.246	-3.43383	21	05-Jul-79	TU	0	0.2	CR
+51-04	1012	51.24967	-3.454	12	05-Jul-79	TU	0	0.3	CR
+51-04	1013	51.249	-3.426	19	05-Jul-79	TU	0	0.2	CR
+51-04	1014	51.252	-3.40483	21	05-Jul-79	TU	0	0.2	CR
+51-04	1015	51.24933	-3.372	16	05-Jul-79	TU	0	0.1	CR
+51-04	1016	51.26933	-3.31333	22	05-Jul-79	TU	0	0.2	CR
+51-04	1017	51.26933	-3.31333	17	05-Jul-79	TU	0	0.2	CR
+51-04	1018	51.3815	-3.19883	16	05-Jul-79	TU	0	0.2	CR
+51-04	1022	51.37233	-3.342	12	05-Jul-79	TU	0	0.2	CS
+51-04	1023	51.36533	-3.40883	19	05-Jul-79	TU	0	0.1	CS
+51-04	1025	51.373	-3.46133	23	06-Jul-79	TU	0	0.2	CR
+51-04	1026	51.37467	-3.508	24	06-Jul-79	TU	0	0.1	CR
+51-04	1027	51.36067	-3.53067	23	06-Jul-79	TU	0	0.2	CS
+51-04	1028	51.33833	-3.52217	38	06-Jul-79	TU	0	0.2	CS
+51-04	1029	51.31183	-3.55317	38	06-Jul-79	TU	0	0.2	CR
+51-04	1031	51.35883	-3.3085	15	06-Jul-79	TU	0	0.2	CS
+51-04	1032	51.3755	-3.2445	19	06-Jul-79	TU	0	0.1	CR
+51-04	1034	51.41883	-3.07983	12	06-Jul-79	TU	0	0.2	CR
+51-04	1037	51.44717	-3.04217	0	06-Jul-79	TU	0	0.1	CR
+51-04	1037	51.44717	-3.04217	0	06-Jul-79	TU	0	0.1	CS
+51-04	1038	51.43967	-3.0385	30	06-Jul-79	TU	0	0.1	CS
+51-04	1039	51.426	-3.00917	23	06-Jul-79	TU	0	0.1	CS
+51-04	1045	51.289	-3.27683	0	07-Jul-79	TU	0	0.3	CS
+51-04	1045	51.289	-3.27683	0	07-Jul-79	TU	0	0.3	CR
+51-04	1050	51.40317	-3.01217	15	07-Jul-79	TU	0	0.2	CR
+51-04	1051	51.426	-3.07317	16	07-Jul-79	TU	0	0.2	CR
+51-04	1054	51.36733	-3.02333	25	07-Jul-79	TU	0	0.2	CR
+51-04	1057	51.35267	-3.3625	25	08-Jul-79	TU	0	0.1	CR
+51-04	1058	51.34817	-3.41267	27	08-Jul-79	TU	0	0.2	CR

+51-04	1059	51.32817	-3.46533	29	08-Jul-79	TU	0	0.1	CR
+51-04	1062	51.265	-3.54767	19	08-Jul-79	TU	0	0.1	CR
+51-04	1067	51.26517	-3.36517	19	08-Jul-79	TU	0	0.2	CR
+51-04	1068	51.26883	-3.2755	23	08-Jul-79	TU	0	0.1	CR
+51-04	1069	51.2685	-3.25133	18	08-Jul-79	TU	0	0.1	CR
+51-04	1071	51.27883	-3.22267	19	08-Jul-79	TU	0	0.1	CR
+51-04	1076	51.2385	-3.20267	20	08-Jul-79	TU	0	0.2	CR
+51-04	1077	51.246	-3.1745	20	08-Jul-79	TU	0	0.1	CR
+51-04	1078	51.25517	-3.18133	21	08-Jul-79	TU	0	0.1	CR
+51-04	1080	51.33567	-3.16883	0	08-Jul-79	TU	0	0.2	CR
+51-04	1085	51.45433	-3.0635	15	09-Jul-79	TU	0	0.1	CS
+51-04	1086	51.45833	-3.10367	15	09-Jul-79	TU	0	0.1	CS
+51-04	1090	51.2865	-3.3275	24	09-Jul-79	TU	0	0.2	CR
+51-04	1095	51.28667	-3.51733	36	09-Jul-79	TU	0	0.1	CR
+51-04	1096	51.302	-3.48667	36	09-Jul-79	TU	0	0.1	CR
+51-04	1097	51.30183	-3.46033	24	09-Jul-79	TU	0	0.2	CR
+51-04	1098	51.3095	-3.43383	26	09-Jul-79	TU	0	0.2	CR
+51-04	1100	51.388	-3.19017	18	09-Jul-79	TU	0	0.1	CR
+51-04	1101	51.39417	-3.17	15	09-Jul-79	TU	0	0.2	CR
+51-04	1123	51.48267	-3.04217	7	23-Jun-79	ST	0	0	CS
+51-04	1124	51.4765	-3.01733	9	23-Jun-79	ST	0	0	CS
+51-04	1141	51.49217	-3.00667	9	24-Jun-79	ST	0	0	CS
+51-04	1213	51.406	-3.07	0	06-Jul-79	TU	0	0.5	CS

Non BGS Cores

DGSQ	LAT	LON	NUM	EQ	WHEN	DEPTH	ORIGNUM	TD	REPORTYEAR	REPORTNO	S	CLI
+51-03	51.45	-2.9505	1	CR	01-Jan-58	0	SH141	0	1983	13		UBR
+51-03	51.48083	-2.98667	2	CR	01-Jan-62	0	SH505	0	1983	13		UBR
+51-03	51.50417	-2.92833	3	CR	01-Jan-62	0	SH506	0	1983	13		UBR
+51-03	51.2365	-2.99933	445	OC	01-Jun-88		682	0.1	1989	300	1	STP
+51-03	51.24434	-2.998	446	OC	01-Jun-88		699	0.1	1989	300	1	STP
+51-03	51.23883	-2.99717	447	OC	01-Jun-88		700	0.1	1989	300	1	STP
+51-03	51.35333	-2.984	448	OC	01-Jun-88		701	0.1	1989	300	1	STP
+51-03	51.348	-2.982	449	OC	01-Jun-88		702	0.1	1989	300	1	STP
+51-03	51.34267	-2.98367	450	OC	01-Jun-88		703	0.1	1989	300	1	STP
+51-03	51.33867	-2.98483	451	OC	01-Jun-88		704	0.1	1989	300	1	STP
+51-03	51.3335	-2.985	452	OC	01-Jun-88		705	0.1	1989	300	1	STP
+51-03	51.32917	-2.986	453	OC	01-Jun-88		706	0.1	1989	300	1	STP
+51-03	51.324	-2.99	454	OC	01-Jun-88		707	0.1	1989	300	1	STP
+51-03	51.3215	-2.9895	455	OC	01-Jun-88		708	0.1	1989	300	1	STP
+51-03	51.31816	-2.987	456	OC	01-Jun-88		709	0.1	1989	300	1	STP
+51-03	51.3145	-2.982	457	OC	01-Jun-88		710	0.1	1989	300	1	STP
+51-03	51.312	-2.98417	458	OC	01-Jun-88		711	0.1	1989	300	1	STP
+51-03	51.31367	-2.98233	459	OC	01-Jun-88		712	0.1	1989	300	1	STP
+51-03	51.31633	-2.9825	460	OC	01-Jun-88		713	0.1	1989	300	1	STP
+51-03	51.319	-2.9875	461	OC	01-Jun-88		714	0.1	1989	300	1	STP
+51-03	51.32267	-2.99017	462	OC	01-Jun-88		715	0.1	1989	300	1	STP
+51-03	51.32483	-2.99417	463	OC	01-Jun-88		716	0.1	1989	300	1	STP
+51-03	51.32683	-2.99833	464	OC	01-Jun-88		717	0.1	1989	300	1	STP
+51-03	51.33317	-2.999	465	OC	01-Jun-88		719	0.1	1989	300	1	STP
+51-03	51.33917	-2.999	466	OC	01-Jun-88		720	0.1	1989	300	1	STP
+51-03	51.34617	-2.9925	467	OC	01-Jun-88		721	0.1	1989	300	1	STP
+51-03	51.35183	-2.99233	468	OC	01-Jun-88		722	0.1	1989	300	1	STP
+51-03	51.35517	-2.99117	469	OC	01-Jun-88		723	0.1	1989	300	1	STP
+51-03	51.36533	-2.9795	470	OC	01-Jun-88		724	0.1	1989	300	1	STP
+51-03	51.37117	-2.9775	471	OC	01-Jun-88		725	0.1	1989	300	1	STP
+51-03	51.37617	-2.97417	472	OC	01-Jun-88		726	0.1	1989	300	1	STP
+51-03	51.37883	-2.971	473	OC	01-Jun-88		727	0.1	1989	300	1	STP
+51-03	51.38383	-2.9695	474	OC	01-Jun-88		728	0.1	1989	300	1	STP
+51-03	51.388	-2.96983	475	OC	01-Jun-88		729	0.1	1989	300	1	STP
+51-03	51.38583	-2.953	476	OC	01-Jun-88		730	0.1	1989	300	1	STP
+51-03	51.38283	-2.95967	477	OC	01-Jun-88		731	0.1	1989	300	1	STP
+51-03	51.3795	-2.96017	478	OC	01-Jun-88		732	0.1	1989	300	1	STP
+51-03	51.37583	-2.96083	479	OC	01-Jun-88		733	0.1	1989	300	1	STP
+51-03	51.37267	-2.96183	480	OC	01-Jun-88		734	0.1	1989	300	1	STP
+51-03	51.36666	-2.96517	481	OC	01-Jun-88		735	0.1	1989	300	1	STP
+51-03	51.36283	-2.98917	482	OC	01-Jun-88		736	0.1	1989	300	1	STP
+51-03	51.36967	-2.988	483	OC	01-Jun-88		737	0.1	1989	300	1	STP
+51-03	51.37533	-2.98317	484	OC	01-Jun-88		738	0.1	1989	300	1	STP
+51-03	51.38467	-2.97817	485	OC	01-Jun-88		739	0.1	1989	300	1	STP
+51-03	51.38983	-2.97883	486	OC	01-Jun-88		740	0.1	1989	300	1	STP
+51-03	51.39683	-2.95567	487	OC	01-Jun-88		741	0.1	1989	300	1	STP
+51-03	51.39917	-2.94867	488	OC	01-Jun-88		742	0.1	1989	300	1	STP
+51-03	51.39917	-2.94867	489	OC	01-Jun-88		743	0.1	1989	300	1	STP
+51-03	51.40733	-2.92733	490	OC	01-Jun-88		744	0.1	1989	300	1	STP
+51-03	51.40917	-2.92483	491	OC	01-Jun-88		745	0.1	1989	300	1	STP
+51-03	51.41233	-2.91817	492	OC	01-Jun-88		746	0.1	1989	300	1	STP
+51-03	51.416	-2.914	493	OC	01-Jun-88		747	0.1	1989	300	1	STP
+51-03	51.41717	-2.91017	494	OC	01-Jun-88		748	0.1	1989	300	1	STP
+51-03	51.41417	-2.9115	495	OC	01-Jun-88		749	0.1	1989	300	1	STP
+51-03	51.4115	-2.91417	496	OC	01-Jun-88		750	0.1	1989	300	1	STP
+51-03	51.40967	-2.91683	497	OC	01-Jun-88		751	0.1	1989	300	1	STP
+51-03	51.40367	-2.91367	498	OC	01-Jun-88		752	0.1	1989	300	1	STP
+51-03	51.4055	-2.90867	499	OC	01-Jun-88		753	0.1	1989	300	1	STP
+51-03	51.41117	-2.90033	500	OC	01-Jun-88		754	0.1	1989	300	1	STP
+51-03	51.41733	-2.8945	501	OC	01-Jun-88		755	0.1	1989	300	1	STP
+51-03	51.4235	-2.88967	502	OC	01-Jun-88		756	0.1	1989	300	1	STP
+51-03	51.42867	-2.88517	503	OC	01-Jun-88		757	0.1	1989	300	1	STP
+51-03	51.526	-2.999	504	OC	01-Jun-88		772	0.1	1989	300	1	STP
+51-03	51.53117	-2.98933	505	OC	01-Jun-88		773	0.1	1989	300	1	STP
+51-03	51.53733	-2.97567	506	OC	01-Jun-88		774	0.1	1989	300	1	STP
+51-03	51.53817	-2.97367	507	OC	01-Jun-88		775	0.1	1989	300	1	STP
+51-03	51.54533	-2.98033	508	OC	01-Jun-88		776	0.1	1989	300	1	STP

+51-03	51.552	-2.985	509	OC	01-Jun-88	777	0.1	1989	300	1	STP
+51-03	51.55383	-2.981	510	OC	01-Jun-88	778	0.1	1989	300	1	STP
+51-03	51.55817	-2.9685	511	OC	01-Jun-88	779	0.1	1989	300	1	STP
+51-03	51.56317	-2.9695	512	OC	01-Jun-88	780	0.1	1989	300	1	STP
+51-03	51.5705	-2.978	513	OC	01-Jun-88	781	0.1	1989	300	1	STP
+51-03	51.5695	-2.97833	514	OC	01-Jun-88	782	0.1	1989	300	1	STP
+51-03	51.56816	-2.972	515	OC	01-Jun-88	783	0.1	1989	300	1	STP
+51-03	51.565	-2.96567	516	OC	01-Jun-88	784	0.1	1989	300	1	STP
+51-03	51.55933	-2.96483	517	OC	01-Jun-88	785	0.1	1989	300	1	STP
+51-03	51.55283	-2.98	518	OC	01-Jun-88	786	0.1	1989	300	1	STP
+51-03	51.55033	-2.97283	519	OC	01-Jun-88	787	0.1	1989	300	1	STP
+51-03	51.53533	-2.96767	520	OC	01-Jun-88	788	0.1	1989	300	1	STP
+51-03	51.5355	-2.97267	521	OC	01-Jun-88	789	0.1	1989	300	1	STP
+51-03	51.53083	-2.98667	522	OC	01-Jun-88	790	0.1	1989	300	1	STP
+51-03	51.5945	-2.66817	523	OC	01-Jun-88	847	0.1	1989	300	1	STP
+51-03	51.59267	-2.672	524	OC	01-Jun-88	848	0.1	1989	300	1	STP
+51-03	51.5915	-2.67867	525	OC	01-Jun-88	849	0.1	1989	300	1	STP
+51-03	51.56917	-2.7215	526	OC	01-Jun-88	850	0.1	1989	300	1	STP
+51-03	51.56384	-2.72533	527	OC	01-Jun-88	852	0.1	1989	300	1	STP
+51-03	51.55833	-2.727	528	OC	01-Jun-88	853	0.1	1989	300	1	STP
+51-03	51.555	-2.73033	529	OC	01-Jun-88	854	0.1	1989	300	1	STP
+51-03	51.54284	-2.7305	530	OC	01-Jun-88	855	0.1	1989	300	1	STP
+51-03	51.53316	-2.73833	531	OC	01-Jun-88	856	0.1	1989	300	1	STP
+51-03	51.52883	-2.74433	532	OC	01-Jun-88	857	0.1	1989	300	1	STP
+51-03	51.53584	-2.75167	533	OC	01-Jun-88	858	0.1	1989	300	1	STP
+51-03	51.53217	-2.76217	534	OC	01-Jun-88	859	0.1	1989	300	1	STP
+51-03	51.52717	-2.777	535	OC	01-Jun-88	860	0.1	1989	300	1	STP
+51-03	51.52317	-2.78967	536	OC	01-Jun-88	861	0.1	1989	300	1	STP
+51-03	51.51667	-2.8015	537	OC	01-Jun-88	862	0.1	1989	300	1	STP
+51-03	51.513	-2.8105	538	OC	01-Jun-88	863	0.1	1989	300	1	STP
+51-03	51.51517	-2.813	539	OC	01-Jun-88	864	0.1	1989	300	1	STP
+51-03	51.50733	-2.828	540	OC	01-Jun-88	865	0.1	1989	300	1	STP
+51-03	51.498	-2.84017	541	OC	01-Jun-88	866	0.1	1989	300	1	STP
+51-03	51.49417	-2.84767	542	OC	01-Jun-88	867	0.1	1989	300	1	STP
+51-03	51.4885	-2.862	543	OC	01-Jun-88	868	0.1	1989	300	1	STP
+51-03	51.4865	-2.872	544	OC	01-Jun-88	869	0.1	1989	300	1	STP
+51-03	51.48517	-2.89033	545	OC	01-Jun-88	870	0.1	1989	300	1	STP
+51-03	51.48567	-2.905	546	OC	01-Jun-88	871	0.1	1989	300	1	STP
+51-03	51.48466	-2.91667	547	OC	01-Jun-88	872	0.1	1989	300	1	STP
+51-03	51.48483	-2.928	548	OC	01-Jun-88	873	0.1	1989	300	1	STP
+51-03	51.48567	-2.93617	549	OC	01-Jun-88	874	0.1	1989	300	1	STP
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+51-03	51.48317	-2.96017	551	OC	01-Jun-88	876	0.1	1989	300	1	STP
+51-03	51.48917	-2.9605	552	OC	01-Jun-88	877	0.1	1989	300	1	STP
+51-03	51.496	-2.95433	553	OC	01-Jun-88	878	0.1	1989	300	1	STP
+51-03	51.5005	-2.94483	554	OC	01-Jun-88	879	0.1	1989	300	1	STP
+51-03	51.50433	-2.93533	555	OC	01-Jun-88	880	0.1	1989	300	1	STP
+51-03	51.50817	-2.9235	556	OC	01-Jun-88	881	0.1	1989	300	1	STP
+51-03	51.50933	-2.91783	557	OC	01-Jun-88	882	0.1	1989	300	1	STP
+51-03	51.5095	-2.9095	558	OC	01-Jun-88	883	0.1	1989	300	1	STP
+51-03	51.54767	-2.84333	559	OC	01-Jun-88	884	0.1	1989	300	1	STP
+51-03	51.5475	-2.8415	560	OC	01-Jun-88	885	0.1	1989	300	1	STP
+51-03	51.54817	-2.8385	561	OC	01-Jun-88	886	0.1	1989	300	1	STP
+51-03	51.55183	-2.83033	562	OC	01-Jun-88	887	0.1	1989	300	1	STP
+51-03	51.552	-2.82817	563	OC	01-Jun-88	888	0.1	1989	300	1	STP
+51-03	51.556	-2.81867	564	OC	01-Jun-88	889	0.1	1989	300	1	STP
+51-03	51.55817	-2.81417	565	OC	01-Jun-88	890	0.1	1989	300	1	STP
+51-03	51.55867	-2.80917	566	OC	01-Jun-88	891	0.1	1989	300	1	STP
+51-03	51.559	-2.80267	567	OC	01-Jun-88	892	0.1	1989	300	1	STP
+51-03	51.56333	-2.795	568	OC	01-Jun-88	893	0.1	1989	300	1	STP
+51-03	51.5675	-2.78533	569	OC	01-Jun-88	894	0.1	1989	300	1	STP
+51-03	51.56617	-2.77867	570	OC	01-Jun-88	895	0.1	1989	300	1	STP
+51-03	51.56767	-2.77317	571	OC	01-Jun-88	896	0.1	1989	300	1	STP
+51-03	51.56983	-2.76633	572	OC	01-Jun-88	897	0.1	1989	300	1	STP
+51-03	51.56783	-2.76733	573	OC	01-Jun-88	898	0.1	1989	300	1	STP
+51-03	51.56433	-2.76233	574	OC	01-Jun-88	899	0.1	1989	300	1	STP
+51-03	51.56883	-2.74817	575	OC	01-Jun-88	900	0.1	1989	300	1	STP
+51-03	51.5745	-2.73767	576	OC	01-Jun-88	901	0.1	1989	300	1	STP
+51-03	51.57817	-2.73167	577	OC	01-Jun-88	902	0.1	1989	300	1	STP
+51-03	51.50566	-2.72617	578	OC	01-Jun-88	903	0.1	1989	300	1	STP

+51-03	51.5075	-2.723	579	OC	01-Jun-88	904	0.1	1989	300	1	STP
+51-03	51.51917	-2.70517	580	OC	01-Jun-88	905	0.1	1989	300	1	STP
+51-03	51.5225	-2.70083	581	OC	01-Jun-88	906	0.1	1989	300	1	STP
+51-03	51.52567	-2.69833	582	OC	01-Jun-88	907	0.1	1989	300	1	STP
+51-03	51.52817	-2.69467	583	OC	01-Jun-88	908	0.1	1989	300	1	STP
+51-03	51.53267	-2.6905	584	OC	01-Jun-88	909	0.1	1989	300	1	STP
+51-03	51.53683	-2.68633	585	OC	01-Jun-88	910	0.1	1989	300	1	STP
+51-03	51.54	-2.68433	586	OC	01-Jun-88	911	0.1	1989	300	1	STP
+51-03	51.54233	-2.68483	587	OC	01-Jun-88	912	0.1	1989	300	1	STP
+51-03	51.54467	-2.68517	588	OC	01-Jun-88	913	0.1	1989	300	1	STP
+51-03	51.54917	-2.68267	589	OC	01-Jun-88	914	0.1	1989	300	1	STP
+51-03	51.55533	-2.68083	590	OC	01-Jun-88	915	0.1	1989	300	1	STP
+51-03	51.55567	-2.68017	591	OC	01-Jun-88	916	0.1	1989	300	1	STP
+51-03	51.58267	-2.65717	592	OC	01-Jun-88	917	0.1	1989	300	1	STP
+51-03	51.58367	-2.6555	593	OC	01-Jun-88	918	0.1	1989	300	1	STP
+51-03	51.58617	-2.651	594	OC	01-Jun-88	919	0.1	1989	300	1	STP
+51-03	51.5905	-2.64567	595	OC	01-Jun-88	920	0.1	1989	300	1	STP
+51-03	51.59317	-2.64267	596	OC	01-Jun-88	921	0.1	1989	300	1	STP
+51-03	51.60317	-2.6325	597	OC	01-Jun-88	922	0.1	1989	300	1	STP
+51-03	51.60966	-2.62617	598	OC	01-Jun-88	923	0.1	1989	300	1	STP
+51-03	51.55333	-2.692	599	OC	01-Jun-88	924	0.1	1989	300	1	STP
+51-03	51.55017	-2.69517	600	OC	01-Jun-88	925	0.1	1989	300	1	STP
+51-03	51.50933	-2.71633	601	OC	01-Jun-88	926	0.1	1989	300	1	STP
+51-03	51.5085	-2.7085	602	OC	01-Jun-88	927	0.1	1989	300	1	STP
+51-03	51.506	-2.70983	603	OC	01-Jun-88	928	0.1	1989	300	1	STP
+51-03	51.50333	-2.707	604	OC	01-Jun-88	929	0.1	1989	300	1	STP
+51-03	51.50017	-2.70433	605	OC	01-Jun-88	930	0.1	1989	300	1	STP
+51-03	51.49933	-2.697	606	OC	01-Jun-88	931	0.1	1989	300	1	STP
+51-03	51.495	-2.69233	607	OC	01-Jun-88	932	0.1	1989	300	1	STP
+51-03	51.49217	-2.687	608	OC	01-Jun-88	933	0.1	1989	300	1	STP
+51-03	51.48967	-2.68333	609	OC	01-Jun-88	934	0.1	1989	300	1	STP
+51-03	51.488	-2.67917	610	OC	01-Jun-88	935	0.1	1989	300	1	STP
+51-03	51.63	-2.64667	611	OC	01-Jun-88	936	0.1	1989	300	1	STP
+51-03	51.63367	-2.64283	612	OC	01-Jun-88	937	0.1	1989	300	1	STP
+51-03	51.63667	-2.6255	613	OC	01-Jun-88	938	0.1	1989	300	1	STP
+51-03	51.64034	-2.6225	614	OC	01-Jun-88	939	0.1	1989	300	1	STP
+51-03	51.64883	-2.616	615	OC	01-Jun-88	940	0.1	1989	300	1	STP
+51-03	51.66033	-2.60283	616	OC	01-Jun-88	941	0.1	1989	300	1	STP
+51-03	51.665	-2.58867	617	OC	01-Jun-88	942	0.1	1989	300	1	STP
+51-03	51.67367	-2.57633	618	OC	01-Jun-88	943	0.1	1989	300	1	STP
+51-03	51.68217	-2.56317	619	OC	01-Jun-88	944	0.1	1989	300	1	STP
+51-03	51.68417	-2.55633	620	OC	01-Jun-88	945	0.1	1989	300	1	STP
+51-03	51.69233	-2.5425	621	OC	01-Jun-88	946	0.1	1989	300	1	STP
+51-03	51.69967	-2.52933	622	OC	01-Jun-88	947	0.1	1989	300	1	STP
+51-03	51.70667	-2.51433	623	OC	01-Jun-88	948	0.1	1989	300	1	STP
+51-03	51.71117	-2.4995	624	OC	01-Jun-88	949	0.1	1989	300	1	STP
+51-03	51.717	-2.49317	625	OC	01-Jun-88	950	0.1	1989	300	1	STP
+51-03	51.72	-2.49117	626	OC	01-Jun-88	951	0.1	1989	300	1	STP
+51-03	51.72367	-2.49133	627	OC	01-Jun-88	952	0.1	1989	300	1	STP
+51-03	51.729	-2.485	628	OC	01-Jun-88	953	0.1	1989	300	1	STP
+51-03	51.74	-2.47667	629	OC	01-Jun-88	954	0.1	1989	300	1	STP
+51-03	51.736	-2.471	630	OC	01-Jun-88	955	0.1	1989	300	1	STP
+51-03	51.7435	-2.46617	631	OC	01-Jun-88	956	0.1	1989	300	1	STP
+51-03	51.7445	-2.45833	632	OC	01-Jun-88	957	0.1	1989	300	1	STP
+51-03	51.74733	-2.45017	633	OC	01-Jun-88	958	0.1	1989	300	1	STP
+51-03	51.75467	-2.43717	634	OC	01-Jun-88	959	0.1	1989	300	1	STP
+51-03	51.75983	-2.42417	635	OC	01-Jun-88	960	0.1	1989	300	1	STP
+51-03	51.76017	-2.4195	636	OC	01-Jun-88	961	0.1	1989	300	1	STP
+51-03	51.765	-2.40467	637	OC	01-Jun-88	962	0.1	1989	300	1	STP
+51-03	51.76867	-2.3945	638	OC	01-Jun-88	963	0.1	1989	300	1	STP
+51-03	51.77033	-2.39117	639	OC	01-Jun-88	964	0.1	1989	300	1	STP
+51-03	51.781	-2.3935	640	OC	01-Jun-88	965	0.1	1989	300	1	STP
+51-03	51.785	-2.4	641	OC	01-Jun-88	966	0.1	1989	300	1	STP
+51-03	51.7855	-2.40517	642	OC	01-Jun-88	967	0.1	1989	300	1	STP
+51-03	51.78584	-2.415	643	OC	01-Jun-88	968	0.1	1989	300	1	STP
+51-03	51.79317	-2.42	644	OC	01-Jun-88	969	0.1	1989	300	1	STP
+51-03	51.78967	-2.43033	645	OC	01-Jun-88	970	0.1	1989	300	1	STP
+51-03	51.79133	-2.44033	646	OC	01-Jun-88	971	0.1	1989	300	1	STP
+51-03	51.7975	-2.44433	647	OC	01-Jun-88	972	0.1	1989	300	1	STP
+51-03	51.80167	-2.44417	648	OC	01-Jun-88	973	0.1	1989	300	1	STP

+51-03	51.80817	-2.4395	649	OC	01-Jun-88		974	0.1	1989	300	1	STP
+51-03	51.8145	-2.43383	650	OC	01-Jun-88		975	0.1	1989	300	1	STP
+51-03	51.81983	-2.426	651	OC	01-Jun-88		976	0.1	1989	300	1	STP
+51-03	51.82033	-2.41967	652	OC	01-Jun-88		977	0.1	1989	300	1	STP
+51-03	51.8165	-2.4105	653	OC	01-Jun-88		978	0.1	1989	300	1	STP
+51-03	51.81283	-2.40117	654	OC	01-Jun-88		979	0.1	1989	300	1	STP
+51-03	51.805	-2.38983	655	OC	01-Jun-88		980	0.1	1989	300	1	STP
+51-03	51.80017	-2.37883	656	OC	01-Jun-88		981	0.1	1989	300	1	STP
+51-03	51.7985	-2.36267	657	OC	01-Jun-88		982	0.1	1989	300	1	STP
+51-03	51.80133	-2.351	658	OC	01-Jun-88		983	0.1	1989	300	1	STP
+51-03	51.80383	-2.34633	659	OC	01-Jun-88		984	0.1	1989	300	1	STP
+51-03	51.80684	-2.35067	660	OC	01-Jun-88		985	0.1	1989	300	1	STP
+51-03	51.81317	-2.35967	661	OC	01-Jun-88		986	0.1	1989	300	1	STP
+51-03	51.8165	-2.36	662	OC	01-Jun-88		987	0.1	1989	300	1	STP
+51-03	51.61467	-2.66283	663	OC	01-Jun-88		803	0.1	1989	300	1	STP
+51-03	51.60817	-2.66917	664	OC	01-Jun-88		804	0.1	1989	300	1	STP
+51-03	51.60583	-2.67833	665	OC	01-Jun-88		805	0.1	1989	300	1	STP
+51-03	51.60117	-2.69017	666	OC	01-Jun-88		806	0.1	1989	300	1	STP
+51-03	51.59333	-2.69967	667	OC	01-Jun-88		807	0.1	1989	300	1	STP
+51-03	51.57917	-2.71083	668	OC	01-Jun-88		808	0.1	1989	300	1	STP
+51-03	51.57383	-2.722	669	OC	01-Jun-88		809	0.1	1989	300	1	STP
+51-03	51.56933	-2.73567	670	OC	01-Jun-88		810	0.1	1989	300	1	STP
+51-03	51.56567	-2.74883	671	OC	01-Jun-88		811	0.1	1989	300	1	STP
+51-03	51.56017	-2.75783	672	OC	01-Jun-88		812	0.1	1989	300	1	STP
+51-03	51.55433	-2.7665	673	OC	01-Jun-88		813	0.1	1989	300	1	STP
+51-03	51.549	-2.7755	674	OC	01-Jun-88		814	0.1	1989	300	1	STP
+51-03	51.54483	-2.78683	675	OC	01-Jun-88		815	0.1	1989	300	1	STP
+51-03	51.53917	-2.79767	676	OC	01-Jun-88		816	0.1	1989	300	1	STP
+51-03	51.5335	-2.81067	677	OC	01-Jun-88		817	0.1	1989	300	1	STP
+51-03	51.52917	-2.82267	678	OC	01-Jun-88		818	0.1	1989	300	1	STP
+51-03	51.526	-2.8335	679	OC	01-Jun-88		819	0.1	1989	300	1	STP
+51-03	51.52317	-2.84467	680	OC	01-Jun-88		820	0.1	1989	300	1	STP
+51-03	51.52117	-2.85717	681	OC	01-Jun-88		821	0.1	1989	300	1	STP
+51-03	51.52017	-2.86917	682	OC	01-Jun-88		822	0.1	1989	300	1	STP
+51-03	51.51867	-2.88167	683	OC	01-Jun-88		823	0.1	1989	300	1	STP
+51-03	51.53316	-2.95917	684	OC	01-Jun-88		824	0.1	1989	300	1	STP
+51-03	51.53433	-2.94617	685	OC	01-Jun-88		825	0.1	1989	300	1	STP
+51-03	51.53417	-2.93283	686	OC	01-Jun-88		826	0.1	1989	300	1	STP
+51-03	51.53633	-2.92233	687	OC	01-Jun-88		827	0.1	1989	300	1	STP
+51-03	51.53367	-2.91033	688	OC	01-Jun-88		828	0.1	1989	300	1	STP
+51-03	51.53417	-2.89933	689	OC	01-Jun-88		829	0.1	1989	300	1	STP
+51-03	51.53817	-2.88333	690	OC	01-Jun-88		830	0.1	1989	300	1	STP
+51-03	51.541	-2.87317	691	OC	01-Jun-88		831	0.1	1989	300	1	STP
+51-03	51.54267	-2.8615	692	OC	01-Jun-88		832	0.1	1989	300	1	STP
+51-03	51.54517	-2.85017	693	OC	01-Jun-88		833	0.1	1989	300	1	STP
+51-03	51.54767	-2.839	694	OC	01-Jun-88		834	0.1	1989	300	1	STP
+51-03	51.55183	-2.828	695	OC	01-Jun-88		835	0.1	1989	300	1	STP
+51-03	51.5555	-2.81817	696	OC	01-Jun-88		836	0.1	1989	300	1	STP
+51-03	51.55933	-2.80767	697	OC	01-Jun-88		837	0.1	1989	300	1	STP
+51-03	51.56333	-2.7995	698	OC	01-Jun-88		838	0.1	1989	300	1	STP
+51-03	51.56767	-2.78917	699	OC	01-Jun-88		839	0.1	1989	300	1	STP
+51-03	51.57133	-2.7765	700	OC	01-Jun-88		840	0.1	1989	300	1	STP
+51-03	51.575	-2.76567	701	OC	01-Jun-88		841	0.1	1989	300	1	STP
+51-03	51.57883	-2.7545	702	OC	01-Jun-88		842	0.1	1989	300	1	STP
+51-03	51.58083	-2.74267	703	OC	01-Jun-88		843	0.1	1989	300	1	STP
+51-03	51.58233	-2.73017	704	OC	01-Jun-88		844	0.1	1989	300	1	STP
+51-03	51.58333	-2.71967	705	OC	01-Jun-88		845	0.1	1989	300	1	STP
+51-03	51.58267	-2.69883	706	OC	01-Jun-88		851	0.1	1989	300	1	STP
+51-04	51.35167	-3.36417	165	CR	01-Jan-60	0	DY4291/1	0	1983	14		DON
+51-04	51.33	-3.39917	166	CR	01-Jan-60	0	DY4293/1	0	1983	14		DON
+51-04	51.31917	-3.42	167	CR	01-Jan-60	0	DY4294/1	0	1983	14		DON
+51-04	51.31083	-3.44083	168	CR	01-Jan-60	0	DY4295/1	0	1983	14		DON
+51-04	51.31167	-3.47833	169	CR	01-Jan-60	0	DY4296/1	0	1983	14		DON
+51-04	51.3175	-3.50583	170	CR	01-Jan-60	0	DY4297/1	0	1983	14		DON
+51-04	51.24833	-3.47917	171	CR	01-Jan-60	0	DY4298/2	0	1983	14		DON
+51-04	51.245	-3.49917	172	CR	01-Jan-60	0	DY4299/2	0	1983	14		DON
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+51-04	51.24917	-3.555	174	CR	01-Jan-60	0	DY4301/2	1	1983	14		DON
+51-04	51.24917	-3.58417	175	CR	01-Jan-60	0	DY4302/2	0	1983	14		DON
+51-04	51.36333	-3.57667	184	CR	01-Jan-60	0	DY4344/2	0	1983	14		DON

+51-04	51.365	-3.57583	185	CR	01-Jan-60	0	DY4344/3		0	1983	14		DON
+51-04	51.36833	-3.52667	186	CR	01-Jan-60	0	DY4445/1		0	1983	14		DON
+51-04	51.36833	-3.525	187	CR	01-Jan-60	0	DY4345/3		0	1983	14		DON
+51-04	51.34333	-3.51167	188	CR	01-Jan-60	0	DY4346/1		0	1983	14		DON
+51-04	51.28333	-3.51667	196	CR	01-Jan-63	0	SA101		0	1983	13		UBR
+51-04	51.28333	-3.52667	197	CR	01-Jan-63	0	SA102		0	1983	13		UBR
+51-04	51.28333	-3.54	198	CR	01-Jan-63	0	SA103		0	1983	13		UBR
+51-04	51.285	-3.55	199	CR	01-Jan-63	0	SA105		0	1983	13		UBR
+51-04	51.28333	-3.56667	200	CR	01-Jan-63	0	SA106		0	1983	13		UBR
+51-04	51.28333	-3.58167	201	CR	01-Jan-63	0	SA107		0	1983	13		UBR
+51-04	51.275	-3.39167	213	CR	01-Jan-63	0	SA133		0	1983	13		UBR
+51-04	51.27667	-3.365	214	CR	01-Jan-63	0	SA132		0	1983	13		UBR
+51-04	51.275	-3.42167	215	CR	01-Jan-63	0	SA135		0	1983	13		UBR
+51-04	51.275	-3.47167	216	CR	01-Jan-63	0	SA138		0	1983	13		UBR
+51-04	51.27	-3.54167	217	CR	01-Jan-63	0	SA144		0	1983	13		UBR
+51-04	51.30333	-3.545	218	CR	01-Jan-63	0	SA145		0	1983	13		UBR
+51-04	51.27	-3.22	229	CR	01-Jan-61	0	SH202		0	1983	13		UBR
+51-04	51.26	-3.23667	230	CR	01-Jan-61	0	SH204		0	1983	13		UBR
+51-04	51.26	-3.26	231	CR	01-Jan-61	0	SH205		0	1983	13		UBR
+51-04	51.26	-3.265	232	CR	01-Jan-61	0	SH206		0	1983	13		UBR
+51-04	51.26	-3.29833	233	CR	01-Jan-61	0	SH208		0	1983	13		UBR
+51-04	51.285	-3.15833	234	CR	01-Jan-61	0	SH210		0	1983	13		UBR
+51-04	51.285	-3.16167	235	CR	01-Jan-61	0	SH211		0	1983	13		UBR
+51-04	51.33	-3.07667	236	CR	01-Jan-61	0	SH215		0	1983	13		UBR
+51-04	51.34333	-3.04667	237	CR	01-Jan-61	0	SH216		0	1983	13		UBR
+51-04	51.20167	-3.31833	362	CS	01-Jan-62	0	181/13		0	1985	71		ADM
+51-04	51.19833	-3.36167	363	CS	01-Jan-62	0	181/12		0	1985	71		ADM
+51-04	51.2205	-3.07833	2565	OC	01-Jun-88			642	0.1	1989	300	1	STP
+51-04	51.21967	-3.06417	2566	OC	01-Jun-88			643	0.1	1989	300	1	STP
+51-04	51.22217	-3.04983	2567	OC	01-Jun-88			644	0.1	1989	300	1	STP
+51-04	51.2235	-3.0405	2568	OC	01-Jun-88			645	0.1	1989	300	1	STP
+51-04	51.22983	-3.0285	2569	OC	01-Jun-88			646	0.1	1989	300	1	STP
+51-04	51.22967	-3.01567	2570	OC	01-Jun-88			647	0.1	1989	300	1	STP
+51-04	51.24217	-3.02367	2571	OC	01-Jun-88			648	0.1	1989	300	1	STP
+51-04	51.24033	-3.04083	2572	OC	01-Jun-88			649	0.1	1989	300	1	STP
+51-04	51.23717	-3.0535	2573	OC	01-Jun-88			650	0.1	1989	300	1	STP
+51-04	51.2335	-3.06067	2574	OC	01-Jun-88			651	0.1	1989	300	1	STP
+51-04	51.23117	-3.074	2575	OC	01-Jun-88			652	0.1	1989	300	1	STP
+51-04	51.2315	-3.0875	2576	OC	01-Jun-88			653	0.1	1989	300	1	STP
+51-04	51.24117	-3.10017	2577	OC	01-Jun-88			654	0.1	1989	300	1	STP
+51-04	51.2425	-3.09067	2578	OC	01-Jun-88			655	0.1	1989	300	1	STP
+51-04	51.24683	-3.078	2579	OC	01-Jun-88			656	0.1	1989	300	1	STP
+51-04	51.25283	-3.07583	2580	OC	01-Jun-88			657	0.1	1989	300	1	STP
+51-04	51.254	-3.08133	2581	OC	01-Jun-88			658	0.1	1989	300	1	STP
+51-04	51.2565	-3.08733	2582	OC	01-Jun-88			659	0.1	1989	300	1	STP
+51-04	51.2585	-3.07533	2583	OC	01-Jun-88			660	0.1	1989	300	1	STP
+51-04	51.26367	-3.06483	2584	OC	01-Jun-88			661	0.1	1989	300	1	STP
+51-04	51.27033	-3.0555	2585	OC	01-Jun-88			662	0.1	1989	300	1	STP
+51-04	51.27817	-3.045	2586	OC	01-Jun-88			663	0.1	1989	300	1	STP
+51-04	51.28783	-3.037	2587	OC	01-Jun-88			664	0.1	1989	300	1	STP
+51-04	51.29833	-3.03233	2588	OC	01-Jun-88			665	0.1	1989	300	1	STP
+51-04	51.31183	-3.029	2589	OC	01-Jun-88			666	0.1	1989	300	1	STP
+51-04	51.32433	-3.02683	2590	OC	01-Jun-88			667	0.1	1989	300	1	STP
+51-04	51.32333	-3.01967	2591	OC	01-Jun-88			668	0.1	1989	300	1	STP
+51-04	51.3165	-3.02117	2592	OC	01-Jun-88			669	0.1	1989	300	1	STP
+51-04	51.30684	-3.017	2593	OC	01-Jun-88			670	0.1	1989	300	1	STP
+51-04	51.301	-3.0165	2594	OC	01-Jun-88			671	0.1	1989	300	1	STP
+51-04	51.2915	-3.01933	2595	OC	01-Jun-88			672	0.1	1989	300	1	STP
+51-04	51.28117	-3.0245	2596	OC	01-Jun-88			673	0.1	1989	300	1	STP
+51-04	51.27133	-3.02867	2597	OC	01-Jun-88			674	0.1	1989	300	1	STP
+51-04	51.2645	-3.03183	2598	OC	01-Jun-88			675	0.1	1989	300	1	STP
+51-04	51.25717	-3.03567	2599	OC	01-Jun-88			676	0.1	1989	300	1	STP
+51-04	51.2555	-3.043	2600	OC	01-Jun-88			677	0.1	1989	300	1	STP
+51-04	51.25533	-3.03083	2601	OC	01-Jun-88			678	0.1	1989	300	1	STP
+51-04	51.25433	-3.02183	2602	OC	01-Jun-88			679	0.1	1989	300	1	STP
+51-04	51.251	-3.00867	2603	OC	01-Jun-88			680	0.1	1989	300	1	STP
+51-04	51.24283	-3.0005	2604	OC	01-Jun-88			681	0.1	1989	300	1	STP
+51-04	51.22317	-3.01233	2605	OC	01-Jun-88			683	0.1	1989	300	1	STP
+51-04	51.2255	-3.00983	2606	OC	01-Jun-88			684	0.1	1989	300	1	STP
+51-04	51.22933	-3.00767	2607	OC	01-Jun-88			685	0.1	1989	300	1	STP

+51-04	51.23417	-3.00617	2608	OC	01-Jun-88	686	0.1	1989	300	1	STP
+51-04	51.239	-3.00783	2609	OC	01-Jun-88	687	0.1	1989	300	1	STP
+51-04	51.243	-3.01283	2610	OC	01-Jun-88	688	0.1	1989	300	1	STP
+51-04	51.31867	-3.01083	2611	OC	01-Jun-88	689	0.1	1989	300	1	STP
+51-04	51.31567	-3.00867	2612	OC	01-Jun-88	690	0.1	1989	300	1	STP
+51-04	51.3075	-3.0095	2613	OC	01-Jun-88	691	0.1	1989	300	1	STP
+51-04	51.29917	-3.01017	2614	OC	01-Jun-88	692	0.1	1989	300	1	STP
+51-04	51.28917	-3.01267	2615	OC	01-Jun-88	693	0.1	1989	300	1	STP
+51-04	51.281	-3.0155	2616	OC	01-Jun-88	694	0.1	1989	300	1	STP
+51-04	51.273	-3.0175	2617	OC	01-Jun-88	695	0.1	1989	300	1	STP
+51-04	51.2645	-3.0165	2618	OC	01-Jun-88	696	0.1	1989	300	1	STP
+51-04	51.25817	-3.01333	2619	OC	01-Jun-88	697	0.1	1989	300	1	STP
+51-04	51.25	-3.002	2620	OC	01-Jun-88	698	0.1	1989	300	1	STP
+51-04	51.32983	-3.00133	2621	OC	01-Jun-88	718	0.1	1989	300	1	STP
+51-04	51.45117	-3.1545	2622	OC	01-Jun-88	758	0.1	1989	300	1	STP
+51-04	51.4565	-3.14383	2623	OC	01-Jun-88	759	0.1	1989	300	1	STP
+51-04	51.46117	-3.13533	2624	OC	01-Jun-88	760	0.1	1989	300	1	STP
+51-04	51.4685	-3.13333	2625	OC	01-Jun-88	761	0.1	1989	300	1	STP
+51-04	51.471	-3.127	2626	OC	01-Jun-88	762	0.1	1989	300	1	STP
+51-04	51.48017	-3.114	2627	OC	01-Jun-88	763	0.1	1989	300	1	STP
+51-04	51.49683	-3.10433	2628	OC	01-Jun-88	764	0.1	1989	300	1	STP
+51-04	51.49467	-3.0875	2629	OC	01-Jun-88	765	0.1	1989	300	1	STP
+51-04	51.5	-3.0755	2630	OC	01-Jun-88	766	0.1	1989	300	1	STP
+51-04	51.50417	-3.06383	2631	OC	01-Jun-88	767	0.1	1989	300	1	STP
+51-04	51.51233	-3.0485	2632	OC	01-Jun-88	768	0.1	1989	300	1	STP
+51-04	51.51417	-3.03467	2633	OC	01-Jun-88	769	0.1	1989	300	1	STP
+51-04	51.51733	-3.02267	2634	OC	01-Jun-88	770	0.1	1989	300	1	STP
+51-04	51.5195	-3.0145	2635	OC	01-Jun-88	771	0.1	1989	300	1	STP
+51-04	51.52317	-3.002	2636	OC	01-Jun-88	791	0.1	1989	300	1	STP
+51-04	51.52383	-3.01067	2637	OC	01-Jun-88	792	0.1	1989	300	1	STP
+51-04	51.51933	-3.02333	2638	OC	01-Jun-88	793	0.1	1989	300	1	STP
+51-04	51.51617	-3.03417	2639	OC	01-Jun-88	794	0.1	1989	300	1	STP
+51-04	51.51183	-3.0515	2640	OC	01-Jun-88	795	0.1	1989	300	1	STP
+51-04	51.50333	-3.0665	2641	OC	01-Jun-88	796	0.1	1989	300	1	STP
+51-04	51.49967	-3.07867	2642	OC	01-Jun-88	797	0.1	1989	300	1	STP
+51-04	51.49467	-3.09233	2643	OC	01-Jun-88	798	0.1	1989	300	1	STP
+51-04	51.49083	-3.10467	2644	OC	01-Jun-88	799	0.1	1989	300	1	STP
+51-04	51.48734	-3.117	2645	OC	01-Jun-88	800	0.1	1989	300	1	STP
+51-04	51.48034	-3.125	2646	OC	01-Jun-88	801	0.1	1989	300	1	STP
+51-04	51.472	-3.134	2647	OC	01-Jun-88	802	0.1	1989	300	1	STP
+51-04	51.43433	-3.58933	2660	OC	01-Jun-88	1099	0.1	1989	300	1	STP
+51-04	51.42867	-3.583	2661	OC	01-Jun-88	1100	0.1	1989	300	1	STP
+51-04	51.4215	-3.57867	2662	OC	01-Jun-88	1101	0.1	1989	300	1	STP
+51-04	51.41617	-3.57367	2663	OC	01-Jun-88	1102	0.1	1989	300	1	STP
+51-04	51.41217	-3.56667	2664	OC	01-Jun-88	1093	0.1	1989	300	1	STP
+51-04	51.40883	-3.56417	2665	OC	01-Jun-88	1103	0.1	1989	300	1	STP
+51-04	51.40517	-3.56233	2666	OC	01-Jun-88	1104	0.1	1989	300	1	STP
+51-04	51.4025	-3.55967	2667	OC	01-Jun-88	1105	0.1	1989	300	1	STP
+51-04	51.39217	-3.4695	2668	OC	01-Jun-88	1094	0.1	1989	300	1	STP
+51-04	51.38717	-3.42583	2669	OC	01-Jun-88	1059	0.1	1989	300	1	STP
+51-04	51.38117	-3.4045	2670	OC	01-Jun-88	1077	0.1	1989	300	1	STP
+51-04	51.38167	-3.39783	2671	OC	01-Jun-88	1095	0.1	1989	300	1	STP
+51-04	51.38883	-3.27533	2672	OC	01-Jun-88	1096	0.1	1989	300	1	STP
+51-04	51.38917	-3.26883	2673	OC	01-Jun-88	1097	0.1	1989	300	1	STP
+51-04	51.20883	-3.43983	2674	OC	01-Jun-88	1106	0.1	1989	300	1	STP
+51-04	51.20733	-3.43733	2675	OC	01-Aug-88	1134	0.1	1989	300	1	STP
+51-04	51.19584	-3.42633	2676	OC	01-Aug-88	1123	0.1	1989	300	1	STP
+51-04	51.19217	-3.41983	2677	OC	01-Aug-88	1148	0.1	1989	300	1	STP
+51-04	51.185	-3.38317	2678	OC	01-Aug-88	1135	0.1	1989	300	1	STP
+51-04	51.21117	-3.46933	2679	OC	01-Aug-88	1122	0.1	1989	300	1	STP
+51-04	51.23233	-3.00083	2680	OC	01-Jun-88	620	0.1	1989	300	1	STP
+51-04	51.22367	-3.00367	2681	OC	01-Jun-88	621	0.1	1989	300	1	STP
+51-04	51.21583	-3.01183	2682	OC	01-Jun-88	622	0.1	1989	300	1	STP
+51-04	51.21	-3.01533	2683	OC	01-Jun-88	623	0.1	1989	300	1	STP
+51-04	51.20383	-3.0205	2684	OC	01-Jun-88	624	0.1	1989	300	1	STP
+51-04	51.19467	-3.02633	2685	OC	01-Jun-88	625	0.1	1989	300	1	STP
+51-04	51.19017	-3.04017	2686	OC	01-Jun-88	626	0.1	1989	300	1	STP
+51-04	51.1865	-3.05267	2687	OC	01-Jun-88	627	0.1	1989	300	1	STP
+51-04	51.18433	-3.05533	2688	OC	01-Jun-88	628	0.1	1989	300	1	STP
+51-04	51.19217	-3.04767	2689	OC	01-Jun-88	629	0.1	1989	300	1	STP

+51-04	51.19467	-3.036	2690	OC	01-Jun-88		630	0.1	1989	300	1	STP
+51-04	51.20383	-3.02517	2691	OC	01-Jun-88		631	0.1	1989	300	1	STP
+51-04	51.21067	-3.0225	2692	OC	01-Jun-88		632	0.1	1989	300	1	STP
+51-04	51.217	-3.01767	2693	OC	01-Jun-88		633	0.1	1989	300	1	STP
+51-04	51.22117	-3.02083	2694	OC	01-Jun-88		634	0.1	1989	300	1	STP
+51-04	51.219	-3.03433	2695	OC	01-Jun-88		635	0.1	1989	300	1	STP
+51-04	51.213	-3.04617	2696	OC	01-Jun-88		636	0.1	1989	300	1	STP
+51-04	51.20817	-3.06	2697	OC	01-Jun-88		637	0.1	1989	300	1	STP
+51-04	51.20667	-3.0755	2698	OC	01-Jun-88		638	0.1	1989	300	1	STP
+51-04	51.20867	-3.09017	2699	OC	01-Jun-88		639	0.1	1989	300	1	STP
+51-04	51.21133	-3.10217	2700	OC	01-Jun-88		640	0.1	1989	300	1	STP
+51-04	51.2625	-3.17333	2729	CR	01-Jan-61	SH504			1983	13		UBR
+51-04	51.26	-3.17083	2730	CR	01-Jan-61	SH503			1983	13		UBR

BGS Geophysical Lines

YEAR	PROJECT	LINE	FIX	LAT	LON	DEPTH	EQUIPMENT	SUBFIX
1971	3	15	1	51.3458	-3.3835	41	PG	0
1971	3	15	1	51.3458	-3.3835	41	SK	0
1971	3	15	1	51.3458	-3.3835	41	SS	0
1971	3	15	2	51.3458	-3.412	35	PG	0
1971	3	15	2	51.3458	-3.412	35	SK	0
1971	3	15	2	51.3458	-3.412	35	SS	0
1971	3	15	3	51.3471	-3.4462	33	PG	0
1971	3	15	3	51.3471	-3.4462	33	SK	0
1971	3	15	3	51.3471	-3.4462	33	SS	0
1971	3	15	4	51.3481	-3.479	36	PG	0
1971	3	15	4	51.3481	-3.479	36	SS	0
1971	3	15	4	51.3481	-3.479	36	SK	0
1971	3	15	5	51.3491	-3.5133	29	PG	0
1971	3	15	5	51.3491	-3.5133	29	SS	0
1971	3	15	5	51.3491	-3.5133	29	SK	0
1971	3	15	6	51.3513	-3.5486	32	PG	0
1971	3	15	6	51.3513	-3.5486	32	SK	0
1971	3	15	6	51.3513	-3.5486	32	SS	0
1971	3	15	7	51.3528	-3.5848	26	PG	0
1971	3	15	7	51.3528	-3.5848	26	SK	0
1971	3	15	7	51.3528	-3.5848	26	SS	0
1971	3	36	22	51.3219	-3.5716	34	PG	0
1971	3	36	22	51.3219	-3.5716	34	SK	0
1971	3	36	22	51.3219	-3.5716	34	SS	0
1971	3	36	23	51.3122	-3.5263	31	PG	0
1971	3	36	23	51.3122	-3.5263	31	PG	0
1971	3	36	23	51.3122	-3.5263	31	SS	0
1971	3	36	23	51.3122	-3.5263	31	SK	0
1971	3	36	23	51.3122	-3.5263	31	PG	0
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1971	3	36	23	51.3122	-3.5263	31	SS	0
1971	3	36	23	51.3122	-3.5263	31	SK	0
1971	3	36	24	51.3021	-3.4809	33	PG	0
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1971	3	36	28	51.2676	-3.3338	27	SK	0
1971	3	36	28	51.2676	-3.3338	27	PG	0
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