Title: Document Index for the WIYN 3.5 Meter Telescope

Document number: WODC 00-02-31

Reviewed and approved:

/Matt Johns
Project Manager Date

/Gus Oemler
Scientific & Advisory Committee Date

/Blair Savage
President, WIYN Board Date

1. Purpose & Scope..... 1
2. Numbering System..... 1
3. Approvals & Revisions..... 1
4. Index..... 2

1. Purpose & Scope

The purpose of this document is to define the document control system that will be used on the WIYN 3.5 Meter Telescope Project and to provide a list of controlled documents.

2. Numbering System

Each document will be given a unique WIYN Observatory document control (WODC) code. Each code will consist of three groups of numbers separated by hyphens. The first number will place the document in the hierarchy of document types, ie. top-level requirements (00), design requirements (01), technical reports (02) and technical notes (03). The second will be the document's serial number within its type, and the fourth number will give the revision. For example, the second revision of the Scientific and Technical Requirements Document has the code WODC 00-01-02.

3. Approvals & Revisions

The Scientific and Technical Requirements (STR) document contains the system requirements for the telescope, instrumentation, and enclosure to meet the science goals of the project. It is approved by the WIYN Board on the recommendation of the Project Manager and Scientific Advisory Committee (SAC). Changes to the STR may be jointly approved by the Project Manager and SAC if, in their judgement, the changes do not significantly degrade the performance or capabilities of the observatory. Changes that would reduce the performance or capabilities or otherwise increase the cost of the project will be submitted to the Board for approval.

Design requirements documents contain requirements and specifications for individual subsystems. They are approved by the PM, SAC and one other individual who is typically the the lead engineer in charge of the subsystem but in some cases an individual appointed by the SAC to oversee the development.

Once approved, revisions to the STR and design requirement documents and the required approvals will be recorded on forms and kept in the project files by the PM.

Technical reports and notes will be issued with the project manager's approval.

The index, section 4 of this document, may be updated without Board approval.

4. Index

Key: A: Approved, D: Draft, IP: In Preparation, I: Issued

WODC	Title	Revision-	Status
	Top-level Documents		
00-01	Scientific & Technical Requirements	03	A
00-02	Document Index	06	A
	Design Requirements		

01-01	System Definition & Configuration	01	A
01-10	Telescope Mount Subassembly	11	A
01-12	Primary Mirror Interface Specifications	11	D
01-13	Secondary Mirror Subassembly	01	D
01-14	Tertiary Mirror Subassembly	02	D
01-15	Nasmyth Instrument Rotator	02	A
01-16	Primary Mirror Cover	02	A
01-17	Counterweight Assembly	01	D
01-18	Instrument Adapter Subsystem	04	A
01-19	Instrument Adapter Subsystem Interface	01	D
01-20	Control System	04	A
01-21	Science Instrument Interface Requirements	02	D
01-22	Graphical User Interface		
01-30	Primary Mirror Cart	02	A
01-40	Enclosure & Control Building	02	A

Technical Reports

02-01	Optical Alignment.	01	D
02-02	Enclosure Thermal Performance.	01	I
02-03	Telescope Preliminary Design Study.	01	I
02-04	Mirror Removal Procedures.		
02-05	Selection Study of Tertiary Mirror Blank	02	I
02-06	Azimuth Bearing Study.	01	I
02-07	Preliminary Design WIYN 3.5 Meter Telescope.	01	D
02-08	Secondary Blank Selection Study.	01	I
02-10	Azimuth & altitude Servo Drive Analysis.	01	I
02-11	Preferred equipment list.	01	I
02-12	Fabrication of the WIYN 3.5-m Primary Mirror-producing an accurate sphere.	01	I
02-13	Temperature Control of the 3.5-meter WIYN Telescope Primary Mirror.	01	I
02-14	Active optics system for the 3.5-m structured mirror	01	I
02-15	3.5m Mirror Project at NOAO.	01	I
02-16	Surface distortions of a 3.5M mirror subjected to thermal Variations.	01	I
02-17	NOAO testing procedures for large optics.	01	I
02-18	Stress at the support interface of a 3.5m borosilicate honeycomb mirror.	01	I
02-19	Development of an athermal central support hub for the WIYN secondary mirror.	01	I
02-20	WIYN Project: 3.5 m Telescope on Kitt Peak. Remote Observing Conference Report.	I	
02-21	Results of Testing the 3.5M WIYN Telescope Primary Mirror and its Support, Thermal Control and Active Optics Systems, NOAO Preprint 447.		
02-22	Detail Design Finite Element Analysis of the WIYN 3.5 M Telescope		
02-23	Design of the WIYN Atmospheric Dispersion Corrector.	01	
02-24	Support System for the WIYN Tertiary Mirror	01	
02-25	WIYN 3.5 Meter Telescope Project- SPIE 3/94		
02-26	Modifying Hydra for the WIYN Telescope	01	
02-27	Thermal Design of the WIYN 3.5 M Telescope Enclosure-SPIE 3/94		
02-28	Encoder Alignment Procedure	01	

Technical Notes

03-01	Secondary Mirror Blank Specifications	01
03-02	Tolerances for the WIYN primary & secondary mirrors	01
03-03	Telescope Cabling	01
03-04	Grounding Policy	01
03-05	Telescope and dome Encoders	01
03-06	Heat-Induced Stress in the 3.5-meter Mirror	01

03-07	Summary Description-NOAO 3.5 M Mirror Support Design	01
03-08	Stress induced by glue bond of secondary central support hub.	01
03-09	Tertiary Mirror Blank Specifications	01
03-10	Control System & Telephone Port Locations	01
03-11	Wide-field Corrector	01
03-12	Preliminary tests-Secondary Mirror Focus/Tilt Actuator	01
03-13	Structure of the Instrument Adapter (IAS) Guide Box	01
03-14	A/R Coatings for the WIYN MOS Port Corrector	01
03-15	Parametric Tolerances for the WIYN Wide Field Corrector	01
03-16	Wide-field Corrector Installation Tolerances	01